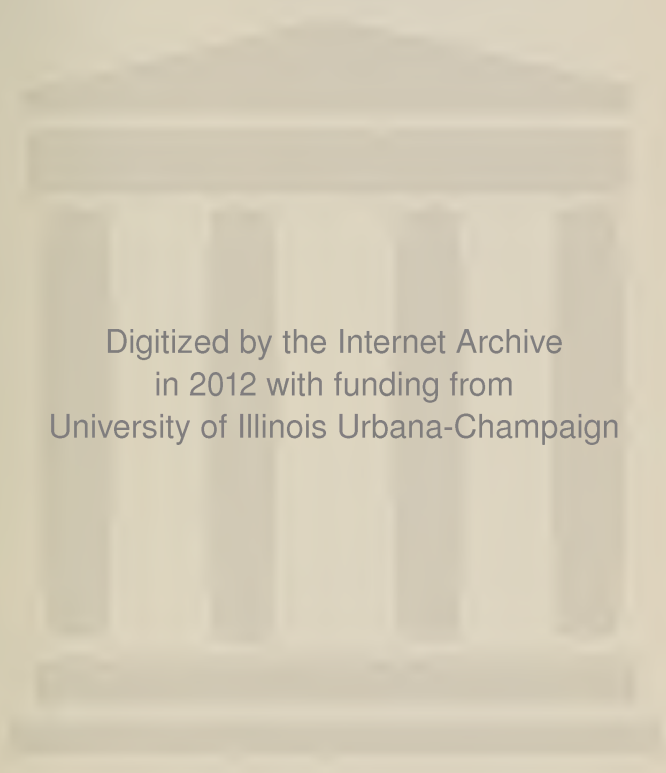




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The Adelphi Academy

Of BROOKLYN.

1892—1893



THE ADELPHI ACADEMY

Of BROOKLYN,

Lafayette Avenue, St. James Place and Clifton Place.

Twenty-fourth Annual Catalogue.

BROOKLYN, N. Y.

1892—1893

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10 SPRUCE ST., N. Y.

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Professor of Mathematics.

ARTHUR C. WADSWORTH,

Superintendent of Academic Department.

* Deceased, April 16, 1893.

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 HENRY ZICK, Ph.D. Instructor in German Language.
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FRANCES H. FLAGLER Assistant.

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EDWIN W. BRAY Instructor in Vocal Music.

DELWIN F. BROWN Instructor in Penmanship and Bookkeeping.

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BRAY, E. W.....	178 Gates Avenue.
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FOSTER, LILLIAN.....	290 Adelphi Street.
HARLOW, LOUISE D.....	119 Gates Avenue.
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HEDGE, LOUISE J.....	106 Monroe Street.
HEDGES, CARRIE E.....	160 Willoughby Avenue.
HELMER, MRS. LOUISE.....	230 Livingston Street.
HOLT, W. V.....	55 Clifton Place.
HORMBY, Mrs. MARIE D.....	699 Chauncey Street.
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KENT, HENRIETTA B.....	341 Lafayette Avenue.
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SEELYE, B. P.....	130 Greene Avenue.
SHARE, W. W.....	331 McDonough Street.
VANDERCOOK, MRS. M. E.....	278 Clifton Place.
WADSWORTH, A. C.....	418 Lafayette Avenue.
WEBSTER, W. T.....	394 A Lafayette Avenue.
WEEKS, JEANNETTE D.....	572 Pacific Street.
WENTWORTH, ELMER E.....	236 Washington Avenue.
WHITMAN C. S.....	280 Ryerson Street.
WHITNEY, IDA H.....	337 Grand Avenue.
WHITTAKER, J. B.....	419 Hancock Street.
WHITTAKER, MARY W.....	419 Hancock Street.
WILLIS, LETTIE A.....	54 Downing Street.
WYKES, MARY L.....	104 Cambridge Place.
ZICK, H.....	258 Ryerson Street.

The Adelphi Academy.

ORGANIZATION.

In the Summer of 1869, the Adelphi Academy, which had previously existed as a private school, was purchased by contributions made by twenty-one citizens of Brooklyn, with a purpose to secure its incorporation and make a gift of it to the city as a public institution. In August, 1869, the donors petitioned the Regents of the University for incorporation, and nominated a board of twenty-four trustees. The petition was granted, and the Academy organized, with the Board of Trustees thus nominated. During the winter of 1870-71, a number of gentlemen, more than one hundred in all, contributed fifty thousand dollars for the benefit of the Academy. By gifts from several of the Trustees, and from other friends of the Academy, the western wing was built in 1873, and in 1880 the eastern wing was added by gifts from Charles Pratt and Hayden W. Wheeler, members of the Board of Trustees.

THE GIFT OF CHARLES PRATT.

The increasing number applying for admission required still larger accommodations, and in 1886, Mr. Charles Pratt, President of the Board of Trustees, by a gift of one hundred and

sixty thousand dollars, provided means for a new building, upon the following conditions :

“That it should be the aim of the Institution to provide improved apparatus and appliances for teaching, and to employ a sufficient number of the best instructors, with adequate salaries, and that the total number and the age of pupils should be limited to correspond with the carrying out of this idea, and further, that when this result should be accomplished, and the annual surplus revenue of the school in any year should equal or exceed five thousand dollars, then each year in which the surplus revenue equals or exceeds the said amount, at least five thousand dollars should be set apart towards forming a permanent fund, equal to the sum donated, the income of which should, as soon as sufficient, be applied to the support of a department of Physical Education and the Laws of Health.”

This fund was accepted on the conditions proposed, and the new building was substantially completed and ready for occupancy at the beginning of the school year, September, 1888.

LOCATION.

The Academy is on St. James Place, between Lafayette Avenue and Clifton Place, and is easily reached by the principal lines of elevated and surface cars.

BUILDINGS.

The buildings occupy the entire end of the block between Lafayette Avenue and Clifton Place, 200x150 feet. The Collegiate Building contains the Collegiate study room, rooms for the Fifth Grade of the Academic Department, the Library, the Chemical and Physical Laboratories, the Art rooms, and a large

number of well lighted recitation rooms. The Academic Building, containing over thirty rooms, accommodates the Preparatory Department and the first four grades of the Academic Department. In the basement, extending under both buildings, is the Gymnasium, occupying three large rooms, covering a space 200x50 feet, also dressing-rooms and bath-room for students, an engine room containing engine and dynamo, and various rooms for exercise and storage.

Between the two buildings is a chapel 50x72 feet, with sittings for about a thousand persons.

VENTILATION.

The ventilation is complete and perfect. A large fan is placed in the upper part of each building, discharging air from a reservoir which receives ventilating flues from all the rooms. These fans are driven by electric motors from a dynamo connected with a forty horse-power engine. By this means the air in both buildings can be completely renewed at least once every half hour in the most unfavorable weather.

ADMINISTRATION.

OFFICERS OF INSTRUCTION AND GOVERNMENT.

The Principal, the Professors and the Superintendents of the Collegiate and of the Academic Departments, constitute a Faculty, to which is intrusted the administration of instruction and discipline. The chief responsibility for direction and government belongs to the Principal. The Superintendents have charge of the routine of their respective departments.

All communications should be addressed to the Principal

or to the Superintendents, who are always ready to confer with patrons.

DEPARTMENTS AND COURSES OF INSTRUCTION.

The courses of study and methods of instruction are designed to furnish a thorough and systematic education. Above the Kindergarten the work extends through twelve years. There are three departments : the Collegiate, the Academic and the Preparatory.

The Collegiate Department comprises three courses of study: The Classical Course, the Literary Course and the Scientific Course. Diplomas are given to students who complete any one of the prescribed courses. The Classical Course in this department is completed in three years, the Literary and Scientific Courses in four years. The Academic Department receives pupils between the ages of nine and sixteen years. The course of study is completed in five years and embraces the essential branches of a good English education, Physiology, two years of French, German or Latin, English History, and some reading of English Literature.

The Preparatory Department admits pupils between the ages of six and ten years. The work is completed in three years.

ADMISSION OF STUDENTS.

The regular examination for admission will take place on June 13 and September 13, 14 and 15, 1893, and on June 13, 1894, at the Academy. Admission at any time is granted to those who pass satisfactory examinations in the work that has been done by the classes they propose to enter. Pupils from the Brooklyn Public Schools will be exempted from examinations for admission to the Academic Department, on those subjects

for which they present a certificate showing a standing of not less than 75 per cent.

ATTENDANCE, EXCUSES AND DISCIPLINE.

In order to form systematic, business-like habits, and to make the most of the time devoted to education, pupils are required to be regular and punctual in attendance, and in all school duties. Teachers cannot be responsible for the progress or thoroughness of those who allow trifling causes to interfere with their attendance. Absence, tardiness or imperfect lessons can be excused only upon a written statement from the parent, showing the existence of illness or some other imperative necessity. Students who persist in wrong conduct or who fail in diligence will be removed from the school.

REPORTS.

Carefully prepared reports are made to the parents, showing the scholarship, punctuality, and conduct of each pupil. Parents are requested to examine these reports regularly, sign them promptly and return them to the Academy. A summary of these reports is kept as a permanent record.

STUDY.

Time is allowed in every class for some study in school hours. Teachers will remain after the close of school for the purpose of assisting those who need help in their studies. Members of the Collegiate and Academic Departments are expected to study at home daily from one to three hours, according to age and capacity.

EXAMINATION AND PROMOTION.

Written or oral examinations occur at the end of each

month. At the end of each half-year an examination is set upon the work of the last two terms.

Students who pass satisfactory examinations will be promoted at the end of the year, but those who fail will be required to review their work until prepared for a higher class. Except in extraordinary cases, which are specially provided for in the Collegiate Department, every pupil is expected to pursue a regular course of study, and to attend during the whole of each daily session to the end of the year.

HONORS, SCHOLARSHIPS AND PRIZES.

Students in the Collegiate Department and in the Academic Department, pursuing a regular course of study, who have been present through an entire year with an average of not less than ninety per cent., and whose conduct has been satisfactory, will receive honorary certificates at the close of the year.

The "Charles Pratt Scholarship," the "Hayden W. Wheeler Scholarship," the "E. F. de Selding Scholarship," and the "W. S. Woodward Scholarship," are given annually to such fit persons as may be nominated by Charles M. Pratt, Hayden W. Wheeler, E. F. de Selding and Mrs. W. S. Woodward respectively.

The "Dollner Scholarship" and the five other Scholarships are given annually to such fit persons as may be approved by the Trustees.

Candidates for said Scholarships must have attained the age of fourteen years, or, if under fourteen years of age, must prove, upon examination by the Superintendent of the Academic Department, well qualified to enter the fifth Academic grade of the Adelphi Academy.

Scholarships will be renewed to those only who attain a high standard in their work.

By gift from Charles Pratt, the income of one thousand dollars is applied annually to prizes for improvement in penmanship. These prizes are open to students on full course in all departments.

Mr. Pratt established another fund to encourage good reading and elocution. The income is applied to awards for those who have made the most improvement, and also to the providing of new matter for supplementary reading.

LIBRARY.

The Academy has a valuable library to which additions are made every year. It contains the most useful books of reference, dictionaries and cyclopædias, and standard works in History, Biography, Poetry, Art, Science and General Literature. A librarian is in constant attendance during the school sessions, and a card catalogue furnishes a complete index of authors, titles and subjects. By means of the library, instructors of advanced classes are able to direct the reading of students in connection with their studies, and to help them form habits of original research. Much is done in this way, particularly in Literature, History and Philosophy, to train students in the practice of finding sources of authority and forming independent judgments. The library is open to students in all departments of the Academy for reference, and under certain regulations books may be taken from the library room.

MUSIC AND DRAWING.

Instruction in vocal music is given on two days of each week. Free-hand drawing is a part of the regular course in the Preparatory and Academic Departments, and may be taken as an optional study by students in the Collegiate Department.

PHYSICAL TRAINING.

Each student receives instruction in Gymnastics or Calisthenics, unless excused on account of physical disability. The rooms for physical exercise are well lighted and ventilated and equipped with apparatus. They are in charge of a regularly educated physician. The exercises are numerous and varied, are adapted to all ages, and tend to develop bodily symmetry, grace of movement and firm health.

Collegiate Department.

SUBJECTS OF STUDY.

The Collegiate Department presents three courses of study. The Classical Course affords thorough preparation for the best American colleges. The Literary Course gives training in Language, Literature, History, Philosophy, Natural Science and Mathematics. The Scientific Course gives a thorough and practical knowledge of Physics, Chemistry, Pure and Applied Mathematics, Political Economy, History, and a general acquaintance with the Natural History Sciences.

The choice of Elective Studies is made subject to the approval of the Faculty.

Persons who wish to enter the department for the purpose of studying special subjects must give satisfactory evidence of ability to pursue such studies, and must conform to all the regulations prescribed for those in the regular courses. The privilege of pursuing special subjects will be withdrawn from all who fail to comply with such regulations.

THE ANCIENT LANGUAGES.

The Latin and Greek languages are studied so far as is necessary for admission to colleges whose standard is highest ; some

changes and abridgments are allowed to meet the requirements of different colleges.

THE MODERN LANGUAGES.

These languages are so taught as to give pupils the power to read, write and speak them. As early as possible the language studied is used exclusively in the class-room. Instruction in these languages is so directed as to be a help in other studies, particularly in History and General Literature, to cultivate the taste and judgment and to sharpen the powers of observation. Grammar is taught systematically and applied progressively with the advance of the student, and the reading includes masterpieces, early and modern, from French and German literature.

CHEMISTRY.

The complete course in Chemistry extends through four years. During the Junior Year, two hours per week are devoted to the study of the general principles of the science. Each student is required to perform a series of experiments in the laboratory, illustrating the various subjects treated in the lectures and recitations. This course is taken by all of the students. The remainder of the instruction in Chemistry is given only to the students in the Scientific Course. Two hours per week, during the Junior Middle Year, are devoted to the study of elementary qualitative analysis. The student obtains practice in the tests for the bases and acids and is required to determine the nature of about one hundred simple salts. During the Senior Middle Year, four hours per week are occupied with the study of more advanced qualitative analysis. The time is entirely devoted to

separations, and the analysis of complex mixtures, minerals and commercial products. About fifty unknown substances are analyzed. In connection with this work a short course in blowpipe analysis is given. During the Senior Year the principles of quantitative analysis are taught and many analyses are performed, making use of gravimetric, volumetric and electrolytic methods. A short course in gold and silver assaying is included in the work of the Senior Year.

PHYSICS.

There are two courses in Physics, an elementary and an advanced course. In the first the object is to establish the student in the principles of the science, proceeding from the molecular theory and the doctrine of energy, to explain natural phenomena, and to convey practical information concerning the applications of physics in modern life. Numerous experimental illustrations of each topic are given. In the advanced course the mathematical proof of principles and laws precedes the experimental. Special treatises are studied instead of a general text-book, and numerous problems and exercises secure to the student a good working knowledge of the subject.

Lectures with experiments are given in both courses. The lecture room is equipped with sliding shutters, a porte-lumiere, a college lantern, with all accessories, both the calcium and electric arc lights, and every convenience for its purpose.

MATHEMATICS.

These are taught both as disciplinary and practical subjects, to train the mind to sustained and concentrated effort, and to give such familiarity with quantity and processes of computation

as shall make the student independent of text-books and rules. Numerous practical problems are assigned and original demonstrations required.

MECHANICAL DRAWING.

The Course in Mechanical Drawing begins with the geometrical constructions which form the basis of all graphical representation. Projections of solids in various positions and their intersections are next studied, until the principles of Descriptive Geometry have been fully illustrated and the student is competent to make drawings and working plans of machinery.

Instruction is also given in brush shading, in both flat and graded tints. This work is followed by drawings made after models and after structures in architecture and mechanical engineering, from measurements made by the pupils. These drawings are finished in color, shading, etc.

Instruction in Topographical Drawing is given in connection with the field work in surveying.

SURVEYING.

The work in Applied Mathematics embraces many exercises in the field with the various surveying and engineering instruments. The practice is continued till the student thoroughly comprehends the principles and methods of running lines over rough ground and beyond obstacles, of laying out figures and measuring areas, of surveying lands, farms and lots, of measuring heights and distances, of leveling, section cutting and topography, and running lines and locating curves.

ASTRONOMY.

The Course in Astronomy combines the study of the text-book with problems, experiments and lectures. Evening studies

of the constellations are made, and by the kindness of friends opportunities are given for viewing the heavenly bodies through the telescope.

BOTANY.

Botany is adapted to "train the mind for close observation, accurate description, and systematic classification." In connection with the lessons, lectures are given, and much time is devoted to the examination of plants and their microscopic structure. The herbarium of the Academy and of the Professor furnish ample illustrations, while most of the cultivated plants and wild flowers of this vicinity blossoming in Spring are obtained in sufficient number to supply each pupil with specimens for study. It is the intention that each student shall learn the leading natural orders, and shall gain a practical knowledge of collecting and preserving plants in an herbarium.

ZOOLOGY.

The instruction in Comparative and Systematic Zoölogy occupies four hours per week during the Senior Middle Year. A careful study of human anatomy and physiology forms the basis of the work. Particular attention is given to development and to plan of structure rather than to classification. A fine collection of skeletons of vertebrates, prepared by Prof. Henry A. Ward, of Rochester, forms a part of the illustrative material for this course.

BLOWPIPE ANALYSIS AND MINERALOGY.

A short course in Blowpiping and Determinative Mineralogy is given in connection with the work in Qualitative Analysis.

This, with the work in Crystallography and Descriptive Mineralogy, given as a part of the course in Geology provides a general knowledge of the common minerals and how to determine them.

GEOLOGY.

The Course in Geology occupies four hours per week during the Senior Year. As a preparation for the study of rocks and rock strata, a course in Crystallography and Descriptive Mineralogy is given. Collections of minerals, rocks, and the characteristic fossils of the different formations are used to illustrate the lectures of this course and are carefully studied by each student.

HISTORY.

The Course in History is intended to form a prominent part of the work in the Collegiate Department. Its aim is not merely to provide pupils with a certain amount of historical information, but to make it a means of intellectual culture. Ancient History occupies the attention of students during the Junior Year, Mediæval and Modern History during the Junior Middle Year, and American Institutions and American Political History during the Senior Middle Year. The true significance of events is disclosed in the attempt to ascertain their causes and to trace out their results in changes in society and in permanent institutions. Maps, charts and diagrams are freely used as aids to historical study. Topics are assigned for investigation, and a certain amount of collateral reading is required, gradually increasing with the advancement of pupils. All historical studies are treated as important aids to the cultivation of a varied and exact expression.

POLITICAL SCIENCE.

Civil Government is introduced by a careful study of the more important features of Municipal and State Government. The origin and foundation of the Constitution of the United States are investigated in order to ascertain the political principles which give to it its unique character. Some of the more important periods of our political history are examined with special reference to the constitutional principles involved in the conflict of parties. Political Economy is studied abstractly and concretely. It is desirable to present the abstract principles of the science to pupils, and then to encourage them to test their truth by a practical application to conditions existing around them. By this method the study of this subject becomes a means of mental discipline, and at the same time an aid in the successful management of affairs. Written discussions of the more important topics, after special investigation, are required of all the members of the class.

PHILOSOPHY.

The work in Psychology, Logic and Ethics extends over a year. The instruction is directed to the awakening of an interest in the problems which these studies suggest. The study of mental phenomena is preceded by an explanation of the nervous system as related to the activity of the mind. The methods and results of experimental psychology are explained. A printed list of references to standard authors in the reference library is in constant use. Students are expected to show the results of their reading both orally and in written essays.

The study of Logic has a practical aim—to furnish some knowledge of the syllogism as an instrument of reasoning, and

to assist the student in detecting fallacious reasoning. In the study of Ethics there is a constant reference to the facts as furnishing the only basis for a scientific treatment of the subject. The practical value of the subject is enhanced by a discussion of many of the problems of our modern social life. Lectures upon leading representative authors are accompanied by selected readings.

LITERATURE.

The Course in Literature is comprehensive and thorough, so arranged and conducted as to afford uninterrupted discipline for two years in literary knowledge and practice. The work begins with a review of the main principles of rhetoric, illustrated with special reference to style, by an extended series of analytical readings in modern prose writers. This is followed by a brief history of the English language, introductory to the earlier periods of the literature. Then follows the special study of English authors, in chronological order, beginning with Chaucer.

The instruction is mainly by the "laboratory method," for which the new Academy library and the special class-room library furnish excellent facilities. No text-book or critical and historical summary is used, except for reference. The representative works of each period are read and discussed, in number sufficient for a thorough acquaintance with every important author. The aim of all class-work is to establish correct literary tastes, develop the power of individual judgment, and stimulate the creative faculty, in addition to a broad and intimate knowledge of the best literature of both England and America.

Laboratories.

DEPARTMENT OF CHEMISTRY.

The laboratories, lecture room and collections of the Department of Chemistry occupy nine rooms on the fourth floor of the Collegiate Building. The lecture room is lighted by electricity and is wired for the use of the electric current in any part. It is equipped with a projection lantern using a Clark electric lamp of 2000 candle-power. The laboratories are four in number: for general chemical work, for qualitative and quantitative analysis, for assaying and for blowpipe analysis. Desk room is provided for about one hundred and fifty students, and the general equipment is complete for all kinds of work. The weighing room is provided with eight analytical balances of great precision. The assay laboratory is furnished with gas furnaces and with apparatus for crushing and pulverizing ores to prepare them for the ordinary processes of analysis. Ample hoods are provided in each laboratory for the purpose of carrying off disagreeable and poisonous gases. Two small dark-rooms for spectroscopic work are connected with the main laboratory.

DEPARTMENT OF PHYSICS.

The laboratories of this department comprise four rooms: The mechanical laboratory, furnished with tables, one of which

is of stone, 30 feet long, set on stone brackets from the wall of the building to secure freedom from the vibration of the floor. It has a clock beating seconds, which gives electrical signals in all the other rooms of the department. There is a work bench provided with tools both for wood and metal work, an engine lathe driven by a half horse-power electric motor, and a complete set of instruments for observations in connection with the U. S. Weather Bureau; the electrical laboratory, provided with a stone table similar to the one already described, and with galvanometers, bridges, rheostats, an electrometer, condenser, standard ohm, Clark cell, and Weston's volt and ampere meters; the photographic room, lighted with the electric light and fully equipped; the photometric room, with Bunsen photometer, apparatus for measurement of lenses and a spectrometer with prisms and a diffraction grating. The wires from the dynamo of the Academy bring current to all the laboratories, and when this is not running connection is made with the Edison System.

PRACTICAL WORK IN SCIENCE.

COURSES IN CHEMISTRY.

JUNIOR YEAR.—Two hours per week: Preparation of chemical compounds by precipitation and crystallization; experiments illustrating the lectures on general chemistry.

JUNIOR MIDDLE YEAR.—Two hours per week: Elementary Qualitative Analysis. Tests for bases and acids; analysis of simple salts. About 100 unknown compounds are determined.

SENIOR MIDDLE YEAR.—Four hours per week : Qualitative Analysis. Analysis of complex mixtures, solutions, solids, minerals and commercial products; blowpipe analysis and determination of minerals.

SENIOR YEAR.—Four hours per week : Quantitative Analysis. Each student performs the following analyses :

PREPARATORY COURSE WITH KNOWN SUBSTANCES :

1. Barium Chloride Ba, H_2O , Cl, gravimetrically and volumetrically.
2. Magnesium Sulphate MgO , SO_3 .
3. Calcium Carbonate CaO , CO_2 , by loss and direct weight.
4. Aluminic Potassic Sulphate K_2O , Al_2O_3 ,
5. Hydro-disodic Phosphate Na_2O , P_2O_5 , H_2O , by direct weight.
6. Ammonio-Ferric Sulphate Fe_2O_3 , by ignition, precipitation and volumetrically.
7. Copper Sulphate Cu, volumetrically and electrolytically.
8. Acidimetry Strengths of Acids.
9. Alkalimetry Strengths of Alkalies.
10. Chlorimetry Cl.

GENERAL COURSE.

11. Limestone SiO_2 , Al_2O_3 , Fe_2O_3 , CaO , MgO , CO_2
12. Feldspar SiO_2 , Al_2O_3 , Fe_2O_3 , Na_2O , K_2O .
13. Iron Ore SiO_2 , Fe, S, P, Mn.
14. Pig Iron and Steel Fe, Mn, P, S, Si, Graphite. Combined Carbon.
15. Slag SiO_2 , Al_2O_3 , FeO , MnO , CaO , MgO .
16. Clay SiO_2 , Al_2O_3 , Fe_2O_3 , CaO , MgO , K_2O , Na_2O .
17. Manganese Ore Mn. Available Oxygen.
18. Copper Ore Cu.
19. Lead Ore Pb.
20. Zinc Ore Zn.
21. Antimony Ore Sb.

22. Tin Ore Sn.
23. Type Metal Sb, Pb.
24. Bronze Cu, Sn, Zn.
25. German Silver Cu, Zn, Ni.
26. Coal H_2O , Volatile C, Fixed C, Ash, S, P.
27. Fertilizers P_2O_5 , H_2O , NH_3 , SO_3 , Organic Matter. Mineral Matter.
28. Water Complete Analysis.
29. Spirits H_2O , Fat, Casein, Sugar, Salts.
30. Butter H_2O , Fat, Casein. Salts.
31. Sugar H_2O , Cane Sugar, Glucose, Ash.
32. Spirits % Alcohol.
33. Gas Analysis Complete.
34. Paint Ground in Oil.
35. Assays of Gold and Silver Ores.

COURSES IN PHYSICS.

In the elementary course in Physics, laboratory work is required. This work is quantitative and demonstrative, and not illustrative. Its purpose is to teach careful manipulation of measuring instruments, and the methods by which physical determinations are made. The experiments include measurements of length, volume and mass ; specific gravities by various methods, the laws of the pendulum ; torsion, friction and elasticity ; simple measurements in electricity, heat and light, and the use of meteorological instruments. The laboratory work in advanced physics embraces the study and use of instruments of precision, and the mathematical and graphical methods of discussing results. There may be named as examples: the testing of balances and thermometers, the force of gravity both by the pendulum and by falling bodies, with the tuning fork chronograph. The work in heat consists of measurements of expansion, calorimetry and radiation ; in light, of the study of

the microscope, of spectra with prisms and gratings, of the measurements of indices of refraction and wave-lengths, and of photometry ; in electricity, of the study of generators, of the construction and calibration of instruments. The student makes numerous determinations by various methods, of current strength, difference of potential, capacity, and resistance, tests of insulation, and practical measurements of lamps, batteries and motors.

COURSE IN BOTANY.

Students in the laboratory, study, sketch and describe the stages of germination of ten common seeds, and a series of microscopical preparations illustrating the plant cell, the various tissues and tissue systems, the mode of growth and various products of the growth of the plant. About one hundred preparations are studied. Fifty plants are described and analyzed, and an herbarium of fifty species is prepared.

COLLEGIATE DEPARTMENT.

YEAR.	CLASSICAL COURSE.	LITERARY COURSE.	SCIENTIFIC COURSE.
JUNIOR.	Greek Lessons. Latin—Ovid, Sallust. Latin Composition. Ancient History. Rhetoric. Geometry. Chemistry—Optional. Laboratory Work—Optional.	Language—Latin, French or German. Second Language. Ancient History. Rhetoric. Geometry. Chemistry. Work. Laboratory Work.	Chemistry—General. Physics. Geometry. General History. Rhetoric. Language—Latin, French or German. Laboratory Work.
JUNIOR MIDDLE.	Greek—Anabasis. Latin—Cicero. Greek and Latin Composition. Algebra or Geometry. English. Physics—Optional. Laboratory Work—Optional.	Language—Latin, French or German. Second Language. Modern History. Physics. Laboratory Work.	Chemistry. El. Qual. Analysis. Physics. Trigonometry. First Half-Year. Surveying. Second Half-Year. Political Science. Language—Latin, French or German. Mechanical Drawing. Laboratory Work.
SENIOR MIDDLE.	Greek—Herodotus, Homer. Latin—Vergil. Greek and Latin Composition. English. Modern Language. Mathematical Review.	Language—Latin, French or German. Second Language. Literature. Political Science. Zoology. First Half-Year. Botany. Second Half-Year.	Chemistry. Qualitative Analysis. Physics. Mechanics, Heat. Zoology. First Half-Year. Botany. Second Half-Year. Language—Latin, French or German. Mechanical Drawing. Laboratory Work.
SENIOR.		Literature. Psychology. Logic. Ethics. Astronomy. First Half-Year. Geology. Second Half-Year. Art.	Chemistry. Qualitative Analysis. Physics. Light, Sound, Electricity. Astronomy. First Half-Year. Geology. Second Half-Year. Language—Latin, French or German. Mechanical Drawing. Laboratory Work.

Collegiate Department.

COURSES OF STUDY.

CLASSICAL COURSE.

JUNIOR YEAR.

First Half-Year.

LATIN—Ovid.

LATIN COMPOSITION—Jones.

GREEK LESSONS—Boise.

ANCIENT HISTORY—Oriental and Greek.

RHETORIC—Qualities of style.

MATHEMATICS—Plane Geometry.

CHEMISTRY—Inorganic. Optional.

Second Half-Year.

LATIN—Sallust.

LATIN COMPOSITION—Jones.

GREEK—Anabasis.

ANCIENT HISTORY—Roman.

RHETORIC—Figures ; kinds of composition.

MATHEMATICS—Plane Geometry.

CHEMISTRY—Inorganic. Optional.

JUNIOR MIDDLE YEAR.

First Half-Year.

LATIN—Cicero.

GREEK—Anabasis.

GREEK AND LATIN COMPOSITION—Jones.
MATHEMATICS—Algebra or Geometry.
ENGLISH.
PHYSICS—Elementary. Optional.

Second Half-Year.

LATIN—Cicero.
GREEK—Anabasis.
GREEK AND LATIN COMPOSITION—Jones.
MATHEMATICS—Algebra or Geometry.
ENGLISH.
PHYSICS—Elementary. Optional.

SENIOR MIDDLE YEAR.

First Half-Year.

LATIN—Vergil.
GREEK—Herodotus.
GREEK AND LATIN COMPOSITION—Jones.
ENGLISH.
FRENCH—Drill Book A. to Lesson 30.
GERMAN—Weick and Grebner's Reader II.
MATHEMATICAL REVIEW.

Second Half-Year.

LATIN—Vergil.
GREEK—Homer.
GREEK AND LATIN COMPOSITION—Jones.
ENGLISH.
FRENCH—Drill Book A. Classical Reader.
GERMAN—Weick and Grebner's Reader III.
MATHEMATICAL REVIEW.

LITERARY COURSE.

JUNIOR YEAR.

First Half-Year.

ANCIENT HISTORY—Oriental and Greek.

RHETORIC—Qualities of style.

FRENCH—Classical French Reader.

GERMAN—Grimm's Fairy Tales.

LATIN—Ovid.

MATHEMATICS—Plane Geometry.

CHEMISTRY—Inorganic. Optional.

LABORATORY WORK. Optional.

Second Half-Year.

ANCIENT HISTORY—Roman.

RHETORIC—Figures ; kinds of composition.

FRENCH—De Rougemont's "La France."

GERMAN—Hauff's "Die Karavane."

LATIN—Sallust.

MATHEMATICS—Plane Geometry.

CHEMISTRY—Inorganic. Optional.

LABORATORY WORK. Optional.

JUNIOR MIDDLE YEAR.

First Half-Year.

HISTORY—Mediaeval.

FRENCH—Modern authors.

GERMAN—Lessing's "Minna von Barnhelm."

LATIN—Cicero.

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PHYSICS—Elementary.

LABORATORY WORK.

Second Half-Year.

HISTORY—Modern.

FRENCH—Modern authors, continued.

GERMAN—Schiller's "Wilhelm Tell" or "Jungfrau."

LATIN—Cicero.

PHYSICS—Elementary.

LABORATORY WORK.

SENIOR MIDDLE YEAR.

First Half-Year.

POLITICAL SCIENCE—Civil Government and American History.

ADVANCED RHETORIC—Grammatical purity, choice and use of words.

FRENCH—Classical authors.

GERMAN—Goethe's "Hermann and Dorothea."

LATIN—Vergil.

ZOOLOGY—Comparative and Systematic.

Second Half-Year.

POLITICAL SCIENCE—American History and Political Economy.

LITERATURE—General history of the language; Chaucer's Prologue.

FRENCH—Literature.

GERMAN—Goethe's "Iphigenie."

LATIN—Vergil.

BOTANY—Vegetable Histology and Systematic Botany.

SENIOR YEAR.

First Half-Year.

LITERATURE—From Chaucer to Milton, inclusive.

PHILOSOPHY—Psychology.

ASTRONOMY—Descriptive.

ART—Lectures.

Second Half-Year.

LITERATURE—From Dryden to the Romantic School.

PHILOSOPHY—Logic and Ethics.

GEOLOGY—Dynamical, Structural and Historical.

ART—Lectures.

SCIENTIFIC COURSE.

JUNIOR YEAR.

First Half-Year.

CHEMISTRY—Inorganic.

PHYSICS—Elementary Mechanics.

MATHEMATICS—Plane Geometry.

HISTORY—Ancient.

RHETORIC—Qualities of style.

LANGUAGE—French, German or Latin.

LABORATORY WORK—Chemistry and Physics.

Second Half-Year.

CHEMISTRY—Inorganic.

PHYSICS—Sound.

MATHEMATICS—Solid Geometry.

HISTORY—Ancient.

RHETORIC—Figures ; kinds of composition.

LANGUAGE—French, German or Latin.

LABORATORY WORK—Chemistry and Physics.

JUNIOR MIDDLE YEAR.

First Half-Year.

CHEMISTRY—Elementary Qualitative Analysis.

PHYSICS—Heat.

MATHEMATICS—Trigonometry.

HISTORY—Mediæval and Modern.

LANGUAGE—French, German or Latin.

MECHANICAL DRAWING.

LABORATORY WORK—Chemistry and Physics.

Second Half-Year.

CHEMISTRY—Elementary Qualitative Analysis.

PHYSICS—Elementary Electricity.

MATHEMATICS—Surveying.

POLITICAL SCIENCE—Civil Government.

LANGUAGE—French, German or Latin.

MECHANICAL DRAWING.

LABORATORY WORK—Chemistry and Physics.

SENIOR MIDDLE YEAR.

First Half-Year.

CHEMISTRY—Qualitative Analysis ; Blowpiping.

PHYSICS—Mechanics.

ZOOLOGY—Comparative and Systematic.

LANGUAGE—French, German or Latin.

MECHANICAL DRAWING.

LABORATORY WORK—Chemistry and Physics.

Second Half-Year.

CHEMISTRY—Qualitative Analysis ; Blowpiping.

PHYSICS—Heat.

BOTANY—Vegetable Histology and Systematic Botany.

LANGUAGE—French, German or Latin.

MECHANICAL DRAWING.

LABORATORY WORK—Chemistry and Physics.

SENIOR YEAR.**First Half-Year.**

CHEMISTRY—Quantitative Analysis.

PHYSICS—Light ; Sound.

ASTRONOMY—Descriptive.

LANGUAGE—French, German or Latin.

MECHANICAL DRAWING.

LABORATORY WORK—Chemistry and Physics.

Second Half-Year.

CHEMISTRY—Quantitative Analysis and Assaying.

PHYSICS—Electricity.

GEOLOGY—Dynamical, Structural and Historical.

LANGUAGE—French, German or Latin.

MECHANICAL DRAWING.

LABORATORY WORK—Chemistry and Physics.

Academic Department.

SCHEDULE OF STUDIES.

FIRST GRADE.	SECOND GRADE.	THIRD GRADE.	FOURTH GRADE.	FIFTH GRADE.
Reading. Spelling. Arithmetic.	Reading. Spelling. Arithmetic.	Reading. Spelling. Arithmetic.	Elocution. Spelling. Arithmetic.	Elocution.
Geography. Language. Composition. Selections. Music. Writing. Drawing. Map Drawing. Calisthenics.	Geography. Language. Composition. Selections. Music. Writing. Drawing. Map Drawing. Calisthenics.	U. S. History. Grammar. Composition. Selections. Music. Writing. Drawing. Map Drawing. Calisthenics.	Algebra. English History. Grammar. Composition. Declamation. Music. Writing. Drawing. Map Drawing. Calisthenics.	Algebra. Writing. Drawing. (Optional.) Book-keeping. Calisthenics.
Object Lessons.	Object Lessons.	Object Lessons.	Latin, French, or German.	Latin, French, or German. Physiology.



Academic Department.

The course of study in this department is five years in length. The average age of the first or lowest class, when admitted to this department, is between ten and eleven years.

In Reading and Composition a much greater variety and amount of work is done that can be made to appear in the course of study.

Students who are to enter the Classical Course of the Collegiate Department and prepare for College, will begin Latin the Fourth Year.

All Students will elect French, German, or Latin at the beginning of the Fourth Year.

Drawing is a required study during the first four years of the course. Students who have shown ability to do the work of the Art Department will be admitted to the Studio during the last year.

Instruction in Vocal Music is given twice each week.

Exercise in Gymnastics is required throughout the entire course.

The Academy has a large collection of lantern slides representing subjects in History, Geography and English Literature. During the year, Professor Peckham gives forty lectures to different classes of the department, using these slides for illustration.

COURSE OF STUDY.**FIRST GRADE.****First Half-Year.**

READING—Barnes' Fourth.

SPELLING.—Lovell's Word Book, to p. 40.

ARITHMETIC—Thomson's Complete, to p. 90.

GEOGRAPHY—Barnes' Elementary, to p. 50.

LANGUAGE—Whitney and Knox, to p. 74.

Second Half-Year.

READING—Barnes' Fourth.

SPELLING—Lovell's Word Book, to p. 60.

ARITHMETIC—Thomson's Complete, to p. 111.

GEOGRAPHY—Barnes' Elementary.

LANGUAGE—Whitney and Knox.

STUDIES THROUGHOUT THE YEAR.

WRITING.

COMPOSITION, once a week.

DRAWING.

MAP DRAWING.

RECITATION OF SELECTIONS.

ILLUSTRATED LECTURES IN GEOGRAPHY.

SECOND GRADE.**First Half-Year.**

READING—Monroe's Fifth.

SPELLING—Lovell's Word Book, to p. 89.

ARITHMETIC—Thomson's Complete, to p. 137.

GEOGRAPHY—Barnes' Complete, to p. 62.

LANGUAGE—Swinton's Lessons, to p. 90.

Second Half-Year.

READING—Monroe's Fifth.

SPELLING—Lovell's Word Book, to p. 118.

ARITHMETIC—Thomson's Complete, to p. 189.

GEOGRAPHY—Barnes' Complete.

LANGUAGE—Swinton's Lessons.

STUDIES THROUGHOUT THE YEAR.

WRITING.

COMPOSITION, once a week.

DRAWING.

MAP DRAWING.

RECITATION OF SELECTIONS.

ILLUSTRATED LECTURES IN GEOGRAPHY.

THIRD GRADE.

First Half-Year.

READING—Barnes' Fifth.

SPELLING—Lovell's Word Book, to p. 140.

ARITHMETIC—Thomson's Complete, to p. 220.

U. S. HISTORY—Anderson, to p. 212.

GRAMMAR—Reed and Kellogg, to p. 152.

Second Half-Year.

READING—Barnes' Fifth.

SPELLING—Lovell's Word Book.

ARITHMETIC—Thomson's Complete, to p. 255.

U. S. HISTORY—Anderson, completed.

GRAMMAR—Reed and Kellogg, to p. 254.

STUDIES THROUGHOUT THE YEAR.

WRITING.

COMPOSITION.

DRAWING.

MAP DRAWING.

RECITATION OF SELECTIONS.

ILLUSTRATED LECTURES IN U. S. HISTORY.

FOURTH GRADE.

First Half-Year.

READING AND ELOCUTION.

SPELLING—Reed's Word Book, to p. 80.

ARITHMETIC—Thomson's Complete, to p. 288.

HISTORY OF ENGLAND—Stone, to p. 112.

GRAMMAR—Reed and Kellogg, reviewed.

LATIN—Collar and Daniell.

FRENCH—Drill Book A, to lesson 26.

GERMAN—Schmitz.

Second Half-Year.

READING AND ELOCUTION.

SPELLING—Reed's Word Book.

ARITHMETIC—Thomson's Complete.

ALGEBRA—Wells' Academic, to p. 65.

HISTORY OF ENGLAND—Stone, completed.

GRAMMAR—Reed and Kellogg, completed.

LATIN—Collar and Daniell.

FRENCH—Drill Book A.

GERMAN—Schmitz.

STUDIES THROUGHOUT THE YEAR.

DECLAMATION, once a month in the Chapel.

DRAWING.

COMPOSITION, once a week.

MAP DRAWING.

ILLUSTRATED LECTURES IN ENGLISH HISTORY.

FIFTH GRADE.

First Half-Year.

ALGEBRA—Wells' Academic.

PHYSIOLOGY—Hutchison.

IRVING'S SKETCH BOOK—Sprague.

LATIN—Cæsar.

FRENCH—Whitney's Reader.

GERMAN—Otis.

Second Half-Year.

ALGEBRA—Wells' Academic.

ADVANCED ARITHMETIC—Hobbs' Academic.

SCOTT'S "LADY OF THE LAKE"—Rolfe.

SHAKESPEARE'S "MERCHANT OF VENICE"—Rolfe.

LATIN—Cæsar.

FRENCH—Drill Book B.

GERMAN—Otis.

STUDIES THROUGHOUT THE YEAR.

DECLAMATION, once a month in the Chapel.

COMPOSITION, once a week.

BOOKKEEPING—Packard. Optional.

DRAWING. Optional.

ILLUSTRATED LECTURES IN LITERATURE.

Preparatory Department.

SCHEDULE OF STUDIES.

FIRST GRADE.	SECOND GRADE.	THIRD GRADE.
Reading.	Reading.	Reading.
Spelling.	Spelling.	Spelling.
Arithmetic.	Arithmetic.	Arithmetic.
	Geography.	Geography.
Language.	Language.	Language.
Composition.	Composition.	Composition.
Selections.	Selections.	Selections.
Music.	Music.	Music.
Writing.	Writing.	Writing.
Drawing.	Drawing.	Drawing.
		Map Drawing.
Calisthenics.	Calisthenics.	Calisthenics.
Object Lessons.	Object Lessons.	Object Lessons.

The Preparatory Department.

In this department instruction is given in the elements of Reading, Arithmetic, Geography, Language, Spelling, Writing and Drawing. Throughout the whole course object lessons in Natural History and Geography are a prominent feature. It is not deemed best to admit pupils under six years of age. Rooms and hours of the school session in this department are so arranged that preparatory pupils do not come in contact with other classes.

COURSE OF STUDY.

FIRST GRADE.

READING—Barnes', Franklin's, Appleton's First.

SPELLING—Words from reading lessons.

NUMBERS—Grube's method to 10. Notation to 1,000.

Addition and subtraction.

LANGUAGE—Use of capitals and punctuation marks. Narration and description.

WRITING.

DRAWING AND CLAY MODELING.

PLACE AND DIRECTION.

VOCAL MUSIC.

SECOND GRADE.

READING—Barnes' and Harper's Second.

SPELLING—Words from reading and object lessons.

NUMBERS—Numbers of two periods. Multiplication and Division.

GEOGRAPHY—Land and water divisions. The seasons.

WRITING.

LANGUAGE—Paragraphing and punctuation. Description of natural objects.

VOCAL MUSIC AND DRAWING.

THIRD GRADE.

READING—Barnes' and Harper's Third.

SPELLING—Selected words from reading lessons.

ARITHMETIC—Multiplication, Long Division and U. S. Money.

LANGUAGE—Whitney and Knox, to p. 60.

GEOGRAPHY—Barnes' Elementary, through N. E. States.

HISTORY—In connection with Geography.

WRITING.

VOCAL MUSIC AND DRAWING.

KINDERGARTEN.

The rooms for this class are well lighted, on the lower floor, separate from the main body of students, and easily reached from the street. Children four years old and upwards are admitted. They have careful attention from the time of reaching the building until they leave, and are trained by the most approved methods. The hours of session are from 9 A. M. to 12 M. The vacations are the same as in other departments of the Academy.

The Art Department.

“ Do not think by learning the nature or structure of a thing, that you can learn to draw it. Anatomy is necessary in the education of surgeons ; botany in that of apothecaries ; and geology in that of miners ; but none of the three will enable you to draw a man, a flower, or a mountain. You can learn to do that only by looking at them ; not by cutting them to pieces.”

“ And don't think you can paint a peach, because you know that there's a stone inside ; nor a face, because you know a skull is.”

JOHN RUSKIN.

The whole of the upper story of the new Collegiate Building is devoted to this department. There is a spacious studio, which is furnished with full and half-sized statues, large and small torsos, busts, masks, and reliefs. There is also a large room for classes in drawing and in painting from life. Besides, there are three rooms : for modeling, the making of casts, and for the use of small classes. The professor in charge meets students, once a month, for criticism in composition and design. A class in sketching meets once a week in the evening. The Life Class meets three evenings a week to draw from the figure.

The students of this department are frequent exhibitors at the annual exhibitions of the National Academy of Design, the Water Color Society of New York, the Pennsylvania Academy of Fine Arts, and the Boston Art Club.

The regular course of study extends through four years; for admission, applicants will be examined in outline drawing from solids and geometrical figures, in the elements of perspective, in drawing fragment shadows and half tones from the bust and torso, with and without background. These preparatory subjects are taught in connection with the department, and they usually occupy two years. A course of reading in History and Art is included in the regular work. Instruction is given in the preparation of the materials for painting in oils and in water colors, and in the special features of drawing in charcoal and in crayon, in pencil, and in pen and ink. Occasional examinations are set upon the work of the studio and upon the required reading. For the last two years there is practice in landscape painting, and for the last year, in drawing and painting portraits from life. Botany and Anatomy are taught with special reference to their connection with art.

Students who complete the full course and pass satisfactory examinations will receive a diploma graduating them from the department and certifying the extent and quality of their attainment. The preparatory studies may be omitted if the progress required for more advanced work has been attained, and in all cases a fit classification will be made. Special students will be received as heretofore.

SPECIAL COURSE IN ART.**FIRST YEAR.**

Drawing from the antique the full length figure.
Outlines of Ancient History.
Seaman's Mythology.

SECOND YEAR.**First Half-Year.**

Drawing from Still Life.
Mediæval History.
Structural and Descriptive Botany.

Second Half-Year,

Drawing of the head and figure from life.
Artistic Anatomy.
Mrs. Jamieson's Legends of the Madonna and Legendary Art.

THIRD YEAR.

Drawing and Painting from life.
Selections from Taine's Philosophy of Art.
D'Anver's History of Sculpture and Painting.

FOURTH YEAR.

Painting from life the head and full length figure.
Selections from Winckelmann and Ruskin.

Students of the Adelphi Academy, 1892=1893.

COLLEGIATE DEPARTMENT.

SENIOR CLASS.

Bomann, Mary T.
Branch, Anna H.
Cowles, Winifred E.
French, Maud M.
Holmes, Abby B.
Kneeland, Jessie
McDermott, Ella
Mudge, Isadore G.
Ogden, Mary H.
Patterson, Mabel L.
Rapolje, Louisa C.
Schroeder, Frances
Tingley, Effie M.
Van Everen, Grace A.
Walker, Ray R.

Chadwick, Charles
Edgar, Fred P.
Fort, George E.
Fort, Jerome H.
Hammond, Clarence A.
Humpstone, O. Paul
Johnson, Frank Holmes
Kneeland, Henry T. Jr.
Pouch, William H.
Prosser, Herman A.
Vause, Irving R.
Wager, Western W.
Webster, Evans.—28.

SENIOR MIDDLE CLASS.

Alden, Mabel W.
Beach, Marguerite N.
Bentley, Nellie R.
Britton, Eugenie
Kelley, Eugenie P.
Lewis, Cornelia

Rhodes, Elizabeth M.
Wilkinson, Sadie E.

Herbert, Frederick D.
Nichols, Harry W.
Welles, Frederick A.—II.

JUNIOR MIDDLE CLASS.

Benedict, Anna C.	Dwight, Harold
Brunn, Ilse V.	Fletcher, Henry
Davol, Laura B.	Geer, Ledyard C.
Finks, Theodora	Goodnow, Clarence D.
Gilmor, Anna T.	Hills, J. Mandly
Matson, Esther	Hodgson, Thomas H.
McCarroll, Mary C.	Hopkins, George G., Jr.
Puels, Glenada	Jewell, Edward H.
Romer, Amy C.	Leahy, David T., Jr.
Royce, Helen E.	Munson, Franco C.
Shaw, Mabel E.	Opp, Arthur W.
Snyder, Helen A.	Pfarre, Edward R.
Tuttle, Anna L.	Robinson, Edward W.
Vernon, Mabel A.	Romer, Henry H.
Wilson, Lily R.	Simpson, David G.
	Snyder, Alfred D.
Bayliss, Harold H.	Tenney, Alvan A.
Butler, George H.	Thackray, Richard
Casamajor, Walter	Van Everen, Jay
Cocks, Townsend.	Wagner, Webster
Dexter, Frank H.	Watson, Jesse, Jr.—41.

JUNIOR CLASS.

Baker, Sarah C.	Patterson, Margaret A.
Baldwin, Louise E.	Pettit, Grace A.
Blatchford, Stella	Pouch, Mabel J.
Casamajor, Alice	Reeve, Laura E.
Crane, Ida E.	Seaman, Emily C.
Creighton, Edith M.	Taylor, Susie B.
de Courtenay, Alice W.	
Duncan, Bessee	Adams, Robert C.
Graff, Helen L.	Babcock, Edwin G.
Harding, Adelia C.	Birdsall, Walter D.
Harrison, Anna M.	Byers, Mortimer W.
Hooper, Rebecca L.	Chaffee, William M.
House, Kate A.	Cutter, William D.
Kelley, Agnes S.	Geis, Norman P.
Martin, Bessie S.	Gravenhorst, Frederick W.
McAleer, Daisy	Guelick, Henry D., Jr.
Montgomery, Carrie A.	Hanan, Addison G.

Hanscom, William E.	Pate, Albert T.
Hawkins, Stephen O.	Pelton, Edward F.
Hebard, Arthur F.	Powers, George A.
Hills, John S.	Rushmore, Jaques C.
Howes, Levi S.	Selden, William C., Jr.
Hutchins, George P.	Semonite, Radcliffe G. C.
Keilholz, Charles	Shoudy, William A.
Loomis, Robert P.	Sillcocks, Henry
Mangam, William D.	Wood, Frederick E.—52.
Nelson, Giffard A.	

SPECIAL STUDENTS.

Blake, Alice M.	Vail, Susie R.
Burr, Hattie N.	Whitney, Mabel O.
Cartledge, Jean F.	
Conklin, Elizabeth B.	Baverndam, Ahrand
Crouse, Mary E.	Glover, Kenneth G.
Gravenhorst, Elsa K.	Hutchins, Gordon L.
Hendrickson, Lizzie L.	Latimer, Herbert G.
Manney, Henrietta R. M.	Macklin, Walter F.
Peckham, Isabel	McCoy, Abraham S.
Pendleton, Edith W.	Otterson, Arthur L.
Potter, Edna P.	Pratt, John R.
Schoenijahn, Stella P.	Sinsabaugh, George N.
Shepperson, Mary J.	Turrill, Sherman M.
Simpson, Edyth M.	Whitaker, Morris M.—28.
Smith, Nellie B.	

ART DEPARTMENT.

Arms, Helen B.	Cary, Mrs. Sheldon
Babcock, Mrs. C. M.	Cleaves, Annie B.
Bock, Mrs. G.	Corkell, Ida
Bristow, Mrs. A. E.	English, Augusta H.
Brown, Mrs. G. J.	Fest, Louise M.
Brownell, Lillian	Field, Mrs. Ada A.
Buell, Nettie A.	Fink, Theodora
Burt, Mabel.	Fisher, Isabel Dix.
Campbell, Florence E.	Fisher, Katharine R.

Glatz, Elise	Reid, M. Beatrice
Goldsmith, Mrs. T	Robinson, C. Marguerite
Hardy, Anna S.	Ross, Anna D.
Hazzel, Maria	Sheppard, Alice M.
Heleker, Lily	Smith, Ada C.
Humpstone, Helen	Snyder, Helen
Ireland, Mrs. C.	Stumpff, Lillian M.
Irwin, Daisy E.	Torrey, Lillian
Jansen, Helene C.	Tuttle, Amy H.
Jones, Florence G.	Whitlock, Mrs. C. R.
Jones, Nina G.	Whittaker, Marie F.
King, Alice	Williams, Bertha
Larkin, Belle	Winslow, Margaret
Laroque, Marie J.	
Liszka, Amy T.	
MaCoy, May D.	Barnes, Roderic B.
Mandeville, Adelle L.	Boerum, Folkert R., Jr.
Merritt, Ethel	Burlingame, C. A.
Millett, Ellen	De Villroy, August
Musgrave, Mary	Fuller, Fred
Nichols, Josephine	Groesbeck, Washington
O'Brien, Sadie E.	Hanning, William H.
Pfeiffer, Clara A.	Henken, J. Henry
Porter, Edith May	Hubbs, Courtes
Post, Grace	Jones, W. Russell
Poulson, Eleanor	Pendrill, N. P.
Pray, Mrs. A. J.	Pero, Michael J.
Ray, Edith	Quinlan, Will, Jr.
Read, Hannah C.	Robinson, Peter
Fordham, Lulu	Wedworth, Genio—76.

ACADEMIC DEPARTMENT.

FIFTH GRADE.

Armstrong, Carrie A.	Bentley, Meta E.
Atwood, Helen	Bishoprick, Jessie D.
Bancker, Mary Louise	Blanchard, Lulu S.
Baylis, Annie E.	Casamajor, Mary
Beers, Mabel	Crook, Laura L.
Behre, Emma A.	Davol, Marian

Ewing, Christina	Van Iderstine, Alice
Fisher, Isabel Dix	Wright, Elsie S.
Frost, Henrietta L.	
Gibb, Alice H.	
Hall, Elizabeth N.	Barlow, Elbert S.
Hanks, Helen A.	Bayliss, Ernest B.
Hobart, Mabel	Bedford, Frederick T.
Hopkins, Mary M.	Billings, Andrew W.
James, Ethel	Braman, Hiram V. V., Jr.
Jewell, Alice C.	Britton, A. Dudley
Johnson, Margaret Edith	Brooks, Royal D.
Judson, Mabel L.	Buell, William Henry
Ketcham, M. Almira	Cochran, William R.
Kneeland, Edith	Corbett, E. Howard
Knudson, Mabel A.	Crampton, Foster
Leeming, Winifred C.	Dettmer, Justus G.
Liebmann, Florence H.	Doniphan, John V., Jr.
Mangam, Grace	Fackenthall, Samuel S.
Mathews, Mary E.	Goater, Edwin W.
Matthews, Emmie	Greene, Max R.
Merrihew, Annie G.	Hallett, Clarence S.
Mitchell, Bernice P.	Ingraham, Henry A.
Mooney, Alice I.	La Rowe, Frederic L.
Munson, Beulah B.	Lutkins, Theodore L., Jr.
Munson, Mabel E.	Morgans, Frank D.
Munson, Marie Louise	Morse, Charles L.
Nealis, Loretta L.	Owen, Wallace H.
Parker, Grace E.	Pate, Walter L.
Parker, Helen C.	Patterson, Edward C.
Patterson, Margaret A.	Pendas, Isidro M., Jr.
Rayner, Ida	Plyer, Arthur M.
Reed, Bertha H.	Pouch, Edgar D.
Righter, Harriet T.	Priddy, Winfred H.
Ripley, Julia A.	Shelling, Harry M.
Roberts, Rosamond	Smith, Alfred E.
Redriguez, Lola R.	Stearns, Edgar F.
Short, Charlotte D.	Sullivan, George
Small, Emma E.	Turner, Charles M.
Stockwell, Ethel S.	VanSickle, Edward E.
Story, Edna	Welles, Edward R.
Tobey, Ethel M.	Wells, George L.—92.

FOURTH YEAR.

Avery, Delia S.	Tuthill, Alice M.
Bates, Mary E.	Valentine, Florence E.
Bedford, May E.	Van Derwerken, Genevieve F.
Benedict, M. Marion	Vernon, Edith L.
Block, Edith A.	Whiting, Mabel
Burr, Jessie D.	Willets, Anna
Burtis, Grace L.	Williams, Florence A.
Clouser, Flora M.	
Combes, Frances A.	Baldwin, Augustus M.
Crouse, Lillian J.	Bergen, Eldert
Driggs, Clara D.	Berking, Max B.
Eldredge, Edna H.	Blair, Frank R.
Ewing, Elizabeth	Blakely, John, Jr.
Goddard, Edith L.	Bull, Theodore D.
Grady, Florence M.	Doolittle, Warren H.
Hall, Mildred F.	Driggs, Edmund
Haver, Lulu M.	Eldredge, Elliott M.
Heleker, Lily H.	Gelston, William R.
Hollely, Mabelle M.	Hause, Charles W.
Howard, Helen L.	Hillmann, Hugo G.
Hutchinson, Florence B.	James, Warner
Kane, N. Estelle	Jansen, John A. C.
Kelsey, Emily G.	Jenkins, Fred
Langdon, Annie E.	Jewell, Elmer G.
Leggett, Emma B.	Lahey, Henry H.
Lockitt, Fannie E.	Liebmann, Robert E.
Logan, Julia	Lord, Kenneth
Lott, Phebe J.	Meade, James E.
Main, Lilian R.	Molineux, Cecil S.
Ogden, Kate C.	Munger, Edward A.
Ogg, Emma Jessie	McNaughton, Donald S.
Pfizer, Alice M. E.	Quin, Edwin G.
Phipps, Katharine R.	Ralph, Lester
Platt, Mabel H.	Shay, William T.
Rhame, Charlotte M.	Sherwood, Frederick M.
Seaman, Grace	Tasker, Arthur M.
Smith, Louise T.	Thatcher, Edward H.
Stanton, Mildred Alice	Thayer, Gilbert M.
Taggart, Mary W.	Wheeler, George E.
Thursby, Gertrude L.	Wood, Robert L.—79.

THIRD GRADE.

Aller, Georgetta P.	Mayhew, Louise M.
Bacchus, Josephine S.	Miles, Alberta C.
Bacchus, Mary S.	Milne, Frances
Baker, Ethel C.	Morris, Florence H.
Batterman, Adelaide H.	Murphy, Florence G.
Billings, Sarah E.	Murr, Addie B.
Bowden, Alice E.	Nesmith, S. Helena
Bowne, Mary A.	Nichols, Kate S.
Braman, Mable E.	Ormsbee, Emma F.
Buchenberger, Carrie A.	Parker, Marjorie E.
Butler, Elizabeth S.	Perkins, Jessie T.
Cantoni, Edna M.	Pfeiffer, Clara A.
Christensen, Bessie D.	Pfeiffer, Jenny I.
Comins, Nellie A.	Platt, Mabelle G.
Corbett, Mary E.	Powell, Mabel C.
Crampton, Cecilia	Puels, Cornelia Z.
Dancel, Caroline M.	Rapalje, Cornelia
Downing, Emily M.	Ray, Edith
Englis, Anna Bell	Ray, Helen
Frost, Agnes	Righter, Catharine A.
Frost Helen H.	Salisbury, Jennie K.
Goldsmith, Theodora	Seaman, Maude
Goodrich, Helen P.	Selden, Mary E.
Graff, Lucy	Shay, Nellie J.
Hallock, Mary D.	Shephard, Eugenia M.
Houghton, Helen B.	Siede, Ethel L.
Hore, Edith R.	Skirving, Edith E.
Hull, Bertha	Snow, Freadarika
Humpstone, Helen	Stephens, Carrie W.
Irish, Alice F.	Taggart, Alice.
Kane, Emily M.	Thackray, Mary J.
Keilholz, Amy A.	Thomas, Olivia A.
Kneeland, Vida	Thomson, Edith McKee.
Lahey, Marguerite J.	Titcomb, Leila W.
Loeser, H. Bertha	Travis, Lillian G.
Lupton, Edna H.	Waldo, Mary
Marshall, A. May	Whittaker, Margaret S.
Marston, Helen E.	Winant, Addie
Martin, Florence E.	*Woods, Margaret C.
Martin, Harriett M.	

*Deceased May 16, 1893.

Addy, Richard C.	James, Halsted
Backhouse, George G.	Jenkins, Wilson W.
Bailey, Benjamin T.	Kalbfleisch, J. Herbert
Bancker, Andrew O.	Kane, Francis H.
Bates, Leonard W.	Keilholz, William F., Jr.
Beadle, Maxwell A.	Langdon, Philip C.
Beasley, John G.	Latimer, Raymond I.
Benjamin, Walter A.	LeFevre, Francis E.
Bentley, John, Jr.	Ludlam, Malcolm C.
Betts, T. Hallett	Maury, Magiuder
Bowden, Laurens R.	McCoy, Edward
Boyer, Russell L. I.	McLean, David J.
Budington, Ernest G.	Moore, Arthur S.
Cornwell, Joseph T. D.	Ogden, Alfred T.
Creighton, Harold T.	O'Keeffe, Frank D.
Dodworth, Wilfred K.	Osborn, Charles W.
Dutcher, Edwin B.	Packard, Harry A.
Fletcher, Robert S.	Phipps, Charles B.
Frankenberg, William S.	Reiners, Frederick A.
Frost, Duryea	Richardson, John G.
Gardner, Archibald	Roberts, M. Monroe
Graff, Frederick	Salter, John L., Jr.
Green, Irving C.	Schorah, Robert J.
Halbert, Louis J., Jr.	Spader, Clarence W.
Halstead, Kenneth B.	Strong, Arthur H.
Harding, George C.	Sullivan, Charles
Harris, Frederick L.	Sweet, E. Leroy
Healy, Raymond	Topping, Howell
Holden, Emery B.	Trier, Hans
Hopkins, J. Gardner	Wallace, Harry P.
Hunting, George	Wiggin, Carl P.
Hussey, Richard I.	Williams, Frank D.
Ingraham, Edward A.	Wilson, Stanley K.—145.

SECOND GRADE.

Abraham, Edith S.	Bushnell, Mary A.
Bartholomew, Zoe	Cotton, Edith A.
Billings, Marion F.	Cotton, Grace C.
Bowne, Alice D.	Dennis, Adelaide
Braman, Emily L.	Ditmars, May M.
Britton, Clara	Eldredge, Marion B.

Emanuel, Alice S.
Emerson, Ethel M.
Ewing, Jean
Flagler, Grace E.
Franke, Fanny A.
Gast, Mamie L.
Goater, Lillian L.
Greene, Olive E.
Guyon, Ethel W.
Haver, Florence E.
Henson, Violet L.
Hitch, Laura D.
Homer, Florence T.
Hoople, Bessie M.
Levy, Estelle
Marshall, Georgie M.
McWilliams, Helen M.
Merrihew, Carrie R.
Messiter, Claribel
Mudge, Clara D.
Nesmith, Ruth
Peirson, Susan W.
Peters, Ruth
Pladwell, Edna S.
Powers, Florence E.
Robinson, C. Marguerite
Rogers, Alice H.
Rogers, Marie L. B.
Sands, Kate McC.
Scudder, Mai H.
Sherwood, Grace L.
Steenken, Elsie
Van Cleve, Christine
Van Dorn, Jersey A. Bancker
Vernon, Laura
Whiting, Bessie
Wiggin, Marion H.
Williams, Maybelle
Wilson, Florence
Wilson, Florence M.
Wooden, Maud E.

Woods, Eva La P.
Young, Grace S.

Ager, J. Winfrid
Allen, F. Ramsey
Armstead, Daniel M.
Benson, Hevlyn L.
Berri, Walter L.
Burtis, William E.
Campbell, Alexander C.
Casamajor, Louis
Childs, Richard S.
Curley, Irving T.
Curley, James R.
Davol, John
De Courtenay, Henry W.
Driggs, F. Albert
Dunning, Clarence
Emery, William F.
Ferguson, Joseph
Frisby, Albert E.
Gowdey, Chester A.
Griffiths, G. Arthur
Harlow, Wilbor B.
Harris, Wilson P.
Hyde, Halford C.
Jeffery, George C., Jr.
Kalbfleisch, Karl H.
Kingman, William H.
Langhaar, Louis
Lawrence, Parker V.
Litch, William K.
Lloyd, Robert W.
Martin, Harry C.
Peabody, Charles S.
Pendas, Manuel
Pond, Charles M.
Quinby, Paul V. C.
Reinmann, Albert L.
Smithers, Charles H.
Snow, Norman L.

Spencer, John Harold
Thomson, Ralph M.
Topping, Ray M.
Uptegrove, William E.

Wellington, Frank H.
Winter, Clarence E.
Yallalee, Allan J.
Yallalee, Charles H.—101.

FIRST GRADE.

Backhouse, Lillian A.
Backhouse, Ruby
Bedford, Emily H.
Bogardus, Daisy R.
Butler, Mary S.
Cawley, Reba
Clapp, Margaret M. S.
Coppins, Hazel E.
Crum, Lulu
Dixon, Edna A.
Durham, Elizabeth
Emery, Maude L.
Fuller, Ethelyn A.
Gelston, May
Harlow, Eleanor Louise
Harris, F. Estelle
Harris, May S.
Houghton, Emily R.
Jurgens, Sophie M. R.
Kane, Josephine W.
Kiorboe, Elizabeth
Kiorboe, Emma M.
Lambert, Elizabeth C.
Lazelle, Mabel E.
Levy, Leonora
Murr, Laura H.
Murray, Marie A.
Nugent, Edith A.
Parker, Florence H.
Platt, Estelle C.
Popoff, Nadia
Rayner, Florence R.
Ruckgaber, Helene L.
Selden, Florence A.

Seamans, Mabel G.
Somers, May
Squier, Ethel C.
Story, Josephine B.
Sullivan, Bertha
Sullivan, Edith
Thayer, Beatrice
Towns, Christine R.
Trier, Mety
Uhler, Maude
Washburn, Adelaide S.
Weed, Ethel G.
Weed, Irene L.
Welles, Mary S.
Whitney, Katharine E.
Whitney, Marion S.
Young, Edna A.

Adams, Ernest C.
Barnes, Roderic B.
Barron, Ben M.
Beesley, Roland
Benson, Edwin P.
Chandler, Willis D.
Davies, Thomas R.
Dennis, Harold
Doniphan, E. Stiles
Dunham, Ernest F. R.
Ferguson, Clarence P.
Frost, Kingsland M.
Funk, Wilfred John
Gibb, Edward
Gray, Henry B.
Griffiths, B. Albert.

Hamilton, S. Tyler A.
 Harris, Woods
 Hendricks, Walter R.
 Kenyon, George
 Marston, Russell
 Mathews, Butler A.
 McKane, William E.
 Peterkin, Clinton R.
 Pouch, Oscar G.
 Pratt, Clarence A.
 Reeve, Clifford C.
 Salisbury, Albert T.
 Salter, Robert S.
 Seaman, Ralph

Silkman, C. Hallock
 Silleck, William M.
 Skinner, Robert W.
 Smithers, Howard B.
 Stoiber, Edwin L.
 Talmage, Van Nest
 Thornton, Lewis M.
 Thursby, Rodney
 Travis, George C.
 Wheeler, Benjamin R.
 Wilcox, Stanley L.
 Wildes, Gerard M.
 Wilson, Frederic H.—94.

SPECIAL PUPILS IN GYMNASTICS.

Breck, Edith
 Cook, Bessie
 Henshaw, Esther H.
 Isaacs, Lena

Maury, Anne Page
 Dornbusch, William
 Gallagher, Walter—7.

PREPARATORY DEPARTMENT.

THIRD GRADE.

Bates, Ethel E.
 Billings, Mary H.
 Bon, Mary B.
 Carpenter, Anna T.
 Colson, Sally
 Dimond, Mary
 Dixon, Mary F.
 Duncan, Mary W.
 Ewing, Margaret
 French, Florence B.
 Gard, Mary

Gibson, Edith
 Herbert, Marion D.
 Hollingshead, Bessie L.
 Hutton, Elsie G.
 Judson, Helen Y.
 Jurgens, Mary
 Kenyon, Rachel
 Kingman, Emilie S.
 Lawrence, Azilea M.
 Liebmann, Estelle L.
 McBride, Winona

Morris, F. May
 Nichols, Margaret F.
 Ogden, Edith R.
 Pearsall, Arline B.
 Platt, Henrietta
 Righter, Jessie H.
 Rodriguez, Gertrude
 Rogers, Lillie I.
 Rupp, Ida M.
 Snyder, Edith M.
 Towns, Marie F.
 Trenckman, Emma
 Uhler, Madeleine
 Vanderbilt, Birdie
 Wanamaker, Lulu M.
 Wells, Beatrice
 Wheeler, Kate
 Wheeler, M. Elizabeth H.

Adee, David E.
 Bacchus, Stockbridge
 Baldwin, Marshall D.
 Beach, Frank C.
 Bennett, James P.
 Berri, Herbert
 Blakely, Robert B.
 Blomquist, Henry W. B.
 Boehmer, Arthur W.
 Bruff, Harold
 Burn, Harry L.
 Butler, David D.
 Candee, Walter M.
 Clarke, Chester B.
 Coffin, Sherwood

Cort, Harry
 Cragg, Walter H.
 Crouse, Herbert T.
 Drake, Alfred W.
 Earle, William P.
 Firth, Godfrey T.
 Gibson, William L.
 Harris G. Burdette
 Hillyard, William K.
 Hooper, F. Dana
 Ingraham, Olin
 Kane, J. Sperry
 Kelsey, J. Arthur
 Knudson, Morris F.
 Loeser, Frederic
 Masters, Gail
 Moore, Eliot D.
 Norton, Henry W.
 Roberts, George
 Robertson, William H.
 Robinson, James L.
 Rochester, John H.
 Rushmore, Arthur W.
 Schieren, Harrie V.
 Schmidt, John W.
 Sherrill, F. Goldthwaite
 Stephens, William W.
 St. John, Claire
 Talmage, David
 Van Nostrand, Norman W.
 Waite, Guy
 Wheeler, Henry H.
 Wilcox, Stanley
 Williams, Donald D.
 Woods, Leonard M.—91.

SECOND GRADE.

Altenbrand, Gertrude
 Askew, Bertie C.
 Bedford, Grace M.

Blauvelt, Fannie A.
 Briggs, Marion
 Burn, Grace G.

Chapman, Emily G.
 Cinnamon, Ethel R.
 Cone, Marion C.
 Coombs, Edna
 Craft, Meta
 Dallan, Grace N.
 Davidge, Maria D.
 Dingie, Nellie
 Douglas, Jennie
 Earle, Louise B.
 Eldredge, Arvilla R.
 Frazier, Marion
 Gould, Fannie C.
 Graef, Nellie T.
 Guyon, Kate R.
 Hager, Sadie
 Hasbrouck, Edna A.
 Haver, Violet R.
 Jacobus, Ethel B.
 Jewell, Florence G.
 Kiorboe, Jennie G.
 Lawrence, Imogene
 Lima, Enid
 Lindsay, Edna
 Morgan, Ethel L.
 Obarrio, Marie
 Persons, Clare G.
 Popoff, Olga
 Powers, Grace L.
 Quinby, Edith
 Robinson, Madeleine
 Sayer, Helen
 Scrymser, Christabel
 Smith, Mae

Stuart, Roberta A.
 Thorn, Bessie
 Wilson, Helen

 Adams, Frederick L.
 Baldwin, Oran
 Colson, Ellicott A.
 Coryell, Harold H.
 Crombie, Dwight H.
 Dixon, G. Gale
 Duncan, David
 Fowler, Royal H.
 Gates, Harry E.
 Gilmore, T. Edward
 Gilmore, Fred. W.
 Griffiths, Leon H.
 Halstead, Harold
 Haviland, Marston
 Hudson, Edward
 Humpstone, Ernest B.
 Humpstone, Harold D.
 Johnston, Charles W.
 Jurgens, Herman P. C.
 Kehr, Gustav
 Koehler, Percy W.
 Murray, William R.
 Palmer, Austin P.
 Pfarre, Edgar G.
 Platt, Frank W.
 Scrymser, Birdsall A.
 Somers, Donald M.
 Stothoff, J. Henry
 Trenckman, Robert
 Webster, Ralph—73.

FIRST GRADE.

Aalholm, Rosalie L.
 Barnes, Louise E.
 Bedford, Mildred E.
 Campbell, Caroline
 Carpenter, Mary C.

Chapman, Bertha
 Childs, Mary W.
 Eldredge, Florence V.
 Graef, Grace H.
 Hammond, Jessie Le Baron

Haviland, Ruth
 Hildreth, Helen A.
 Howard, Ruth
 Ingraham, Edith
 Ingraham, Ruth
 Johnston, Sarah H.
 Martin, Adele
 Mathers, Alice W.
 Matson, Nathalie
 Morgan, Helen
 Naylor, Florence E.
 Ogden, Helen
 Paddock, Gertrude
 Potter, Marianna S.
 Silkman, Carrie E.
 Sherwood, Mabel E.
 Street, Anna E.
 Tate, Winnifred
 Weeden, Elizabeth S.
 Willis, Julia T.
 Wightman, May

Aalholm, Arthur C.
 Biglow, Ray
 Buell, Fisher A.
 Carney, Lester M.
 Childs, Irving W.
 Comins, Fred

Dixon, A. Faison
 Drake, Chester A.
 Earle, Russell
 Estes, Clifford
 Ewing, William J.
 Frost, Edwin D.
 Gould, Howard C.
 Haviland, Charles S.
 Hayward, Tyson
 Helmer, Harold T.
 Marston, Trobridge
 Matheson, Hugh M.
 Matthews, Edward
 Merrihew, Edward
 Minton, Ogden
 Morris, G. Hall
 Nevin, Wesley
 Nichols, John A., Jr.
 Pierrien, Julian
 Rochester, Edward F.
 Russell, Frank V.
 Shepard, Lawrence
 Skinner, George
 Smith, Frank G.
 Stoiber, Herbert A.
 Towns, Mirabeau
 Trenckman, Charles
 Wood, Bernard H.
 Wooden, Stewart L.—66.

KINDERGARTEN.

Biglow, Gladys
 Chichester, Charlotte
 Chrysler, Mildred A.
 Clapp, Sophia H.
 Close, Edna K.
 Crombie, Ruth E.
 Douglas, Annie M.

Duffee, Marjorie P.
 Evans, Sarah L.
 Gibb, Dorothy
 Halstead, Linda
 Halstead, Marguerite
 Hart, Margaret G.
 Holmes, Helen A.

Holt, Irene B.	Derby, Montgomery
Janes, Edith R.	Dimond, Walter S.
Lusty, Ethel	English, Daniel Saxton
Moulton, Marion	Evans, Alfred M.
Ostrom, Marguerite	Germond, Russell C.
Persons, Marjorie M.	Griffiths, Butler
Quinn, Fanny M.	Haviland, Frost
Richardson, Florence	Holmes, John F.
Sessions, Hannah S.	Holt, William W.
Shepard, Edna	Hooker, Davenport
Slocum, Lorna J.	Liebler, Baxter
Stoughton, Edna M.	Liebler, Theodore
Southard, Beatrice	Lusty, Giles G.
Thorn, Caroline J.	Matheson, Malcolm
Van Nostrand, Katherine	McAllister, Douglas H.
Wood, Marjorie D.	McKinny, Archibald
	Parsons, Kenneth O.
	Quinn, Sidney T.
Bedford, Edward	Sayer, Winthrop
Bedford, Henry E.	Street, Richard H.
Burn, Edwin	Thorn, Henry C.
Coryell, Roland S.	Wyckoff, Herbert A.—56.

SUMMARY.

Collegiate Department	160
Art Department	76
Academic Department	518
Preparatory Department	230
Kindergarten	56
	1040
Omitting repeated names	8
Total	1032

ALUMNI

1871.

*Owen, Henry S.—1.

1872.

Benedict, Wyliys

*Crowell, Frank W.

Roby, Eben W.

Vernon, Thomas A.

Wallace, William C.—5.

1873.

Beard, Ira, Jr.

Budington, Thomas G.

Halsey, Rufus H.

Ives, John H.

Morrell, DeWitt C.

*Peet, Edward H.

Thompson, Isaac M. B.—7.

1874.

Halstead, Alice

Moore, Ella R.

Roberts, Jeanie

*Robinson, Clara

Beard, James T.

Fuller, Charles H.

Peet, William, Jr.

*Plummer, Henry I.—8.

1875.

Boyle, Emilie S.

*Cole, Georgia F.

Elwell, Jennie R.

Gerahty, Eva H.

Guyer, Carrie C.

Pratt, Lillie R.

*Deceased.

Ridgway, Marguerite

Roberts, Josie H.

Sackett, Hattie S.

Sieber, Erna M.

Wheeler, Carrie B.

Beard, George R.

Carson, Frank M.

Davis, William W., Jr.

Folger, Henry C., Jr.

Hagen, Winston H.

Merwin, Hubert J.

Pratt, Charles M.

Scudder, Doremus

Sprague, Charles H.

Tighe, Ambrose

Vernon, S. Edward.—22.

1876.

*Carlisle, Mary

Hulse, Cornelia L.

Hutchison, Mattie C.

Oliver, Etta L.

Wood, Mary Ellen

Brumley, Avery

Congdon, Albert W.

*Crossman, Henry C.

Dingee, Montgomery H.

Freeman, Cuyler

Holmes, Frank S.

Kemp, James F.

Partridge, Sidney C.

Read, Harry W.

Sears, Frederic W.

Vernon, Frederick R.

*Vernon, Walter L.—17.

1877.

*Brainard, Carrie R.
 Carlisle, Jessie
 Carly, S. Jennie
 Croxson, Clara B.
 Eppendorf, Lina
 Marston, Fannie M.
 Packard, Fannie T.
 Plummer, Annie L.
 Plummer, Carrie F.
 Utley, Estelle H.
 Webster, Minnie
 Benedict, Edward G.
 Core, John, Jr.
 Dixon, Ephraim W.
 Follett, Edgar A.
 Murphy, Starr J.
 Pearce, Eugene F.
 *Rand, Edward G.
 Sessions, Archibald W.—19.

1878

Bynner, Ada L.
 Foster, Lillian
 Hammond, Mary G.
 Hodgson, Annie G.
 Holcomb, Rosalind O.
 Malony, Josephine J.
 Newhouse, Madeline
 Riggs, Maria L.
 Taylor, Addie L.
 Tuttle, Minnie L.
 *Barlow, George F.
 Jenkins, Lewis L.
 Moffat, R. Burnham
 Moodey, Herbert L.
 Palmer, J. Culbert
 Taylor, John W.—16.

1879.

Barlow, Carrie L.

*Deceased,

Diefendorf, Mary R.
 Everitt, Frankie M.
 *Meeker, Jessie M.
 Morse, Anna L.
 Sprout, Helen L.
 Atwater, William C.
 Blank, Everett N.
 de Selding, Joel S.
 Freeman, Oakley
 Frost, Halstead H., Jr.
 *Glover, Charles G.
 Higgins, A. Sidney, Jr.
 Rae, Alexander
 Sheridan, Albert D.
 Vernon, Harold—16.

1880.

Foster, Mary L.
 Graham, Mary
 Plummer, Florence G.
 Thackray, Alice M.
 Titus, A. May
 Barker, Otis W.
 Bates, Walter G.
 Bostwick, George W.
 French, Robert T., Jr.
 Stevenson, John H., Jr.
 Tuttle, Willard S.—11.

1881.

Camp, Carrie D.
 Nichols, A. Blanche
 Ingraham, George S.
 Vernon, Francis J.—4.

1882.

Atkins, Annie G.
 Gatenby, Jennie L.
 Gilbert, Anna L. M.
 *Gray, Mary A.
 Pollard Mary F.

Stolz, Rosalie H.
 Vernon, Isabel
 Clark, John B.
 Emery, Livingston
 Hoxie, Erskine B.
 *McCune, William E.
 Sutton, Charles—12.

1883.

Anderson, Emma
 Brainerd, Helen E.
 Chadwick, Ella M.
 James, Grace F.
 Kent, Alice I.
 Barstow, William S.
 Davies, Walter R.
 Gasten, William
 Keep, John S. B.
 Kidder, William M.
 Little, George F.
 Pratt, Frederick B.
 Taylor, W. Irving
 Wells, Herman J.
 Woodward Frederick S.—15

1884.

Hanly, Norma L.
 Robinson, Alice
 Searles, Clara A.
 Stevens, Anna H.
 Hutchinson, Ira C.
 Ingraham, Robert S.
 Ludlow, Francis H.
 Palmer, Lucius N., Jr.
 Richards, Theodore
 Stevenson, Edward A.
 Stevenson, Frederic A.
 Wynkoop, Hubert S.—12.

1885.

Atwater, Elsie W.

*Deceased.

Babcock, Annie G.
 Barlow, Nellie W.
 Beard, Josephine C.
 Faurot, Annie P.
 Foster, Edith E.
 Johnson, Adele R.
 Kemp, Esther
 *Mercer, Minnehaha E. G.
 *Morse, Fannie L.
 Perkins, Caroline P.
 Sprague, Lida A.
 Willets, Alice B.
 Ager, Harry C.
 Ager, Louis
 Camp, Charles M.
 Johnson, Remsen
 McDermott, Charles J.
 Miller, Charles C.
 *Peck, Alfred C.
 Ruland, Irving A.
 Vernon, Howard W.
 Willets, Frederick—23.

1886.

Beebe, Mary T.
 Crandall, Mary I.
 Crandall, Nina K.
 Darling, Florence
 Mitchell, Celia M.
 Pond, Louise C.
 Pratt, Helen F.
 Scripture, Helen R.
 Simmons, Marcia A.
 Slosson, Mary E.
 Small, Hortense M.
 Smith, Bessie F.
 Williams, Lottie E.
 Brown, Frederick M.
 Casamajor, George H.
 Glover, George B.

Low, J. Herbert
 Perkins, Charles A.
 *Rae, Andrew
 *Tinker, C. Grant—20.

1887.

Anderson, H. Olive
 Ayres, Fannie H.
 Cuddy, Louise J.
 Hall, May
 Hedge, Louise J.
 Leeming, Helena D.
 Tuthill, Mary L.
 Wells, Jane F.
 DeWitt, Clinton
 Kneeland, Yale
 Van Everen, Horace G.
 Weed, Harry T.—12.

1888.

Angell, Carrie H.
 Barstow, Lydia P.
 Behrends, Harriet L.
 Braman, Mary N.
 Brown, Evelyn B.
 Brunn, Freda M.
 Chisholm, Maude
 Culbert, Anna M.
 Dettmer, Carolyn P.
 Hastings, Grace M.
 Jansen, Mattie E.
 Jewell, Edith
 Morse, Alice L.
 Pettit, Adeline S.
 Sands, Helen E.
 Smith, Mary A.
 Vanderveer, Susie R.
 West, Lilian S.
 Winnington, Laura E.
 Zollinhofer, Sophie
 Corbett, William H.

*Deceased.

Graham, John S., Jr.
 Loomis, Edward N.
 Lounsbury, George H.
 Mains, William C.
 Sears, Charles B.
 Williams, Roswell C., Jr.—27.

1889.

Atwater, Jane L.
 Coffin, Adele
 Corey, Florence A.
 Donnelly, Lucy M.
 Puels, Eva B.
 Shiebler, Mary G.
 Smith, Rachel L.
 Williams, Mabel
 Wooden, Minnie J.
 Blackford, Wallace E.
 Brinckerhoff, Walter J.
 Brooks, Edward B.
 Brooks, Gordon B.
 Geer, Edward F.
 Goodnow, Harold P.
 Haight, Charles S.
 Horwill, Edward T.
 Kenyon, Harry L.
 Munson, Carlos W.
 Newell, Benjamin H.
 Pratt, Arthur M.
 Stewart, Frederick
 Wilson John A.—23

1890.

Behrends, Minnie R.
 Burtis, Mary L.
 Gibb, Ada L.
 Hastings, Mabel L.
 Hollenback, Anna W.
 Hollenback, Josephine W.
 Hunter, Alice W.
 Hyatt, Clara M.

Lambert, Minnie F.
 Lewis, Elizabeth
 Mitchell, Marianne
 Peckham, Clara I.
 Pelton, Katharine I.
 Simonson, Ruth
 Squier, Florence A.
 Thornton, Mary E.
 Tuttle, Lizzie F.
 Van Everen, Mary E.
 Wager, Laura B.
 Wagner, Hortense
 Bancker, Edward H.
 Beach, John N., Jr.
 Hutchins, Charles P.
 Leeming, Thomas L., Jr.
 Pfarre, Philip H.
 Robinson, F. George
 Tredwell, Alonzo S.—27.

1891.

Abraham, Florence M.
 Cartledge, Annie C.
 Churchill, Lillian
 Langdon, Camilla L.
 Loomis, Emma S.
 Maxon, Winifred
 Nelson, Gertrude J.
 Stephens, Bessie
 Stone, Lulu M.
 Tuttle, Grace L.
 Vernon, Florence I.
 Wheeler, Alice M.
 Abraham, Lawrence E.
 Anderson, John A.
 Bentley, Rufus C.
 Bridgman, Robert
 Geis, John F.
 Harriman, Henry I.
 Hebard, Charles R.

James, Darwin R., Jr.
 Laing, William W.
 McKee, Harry B.
 Pratt, Herbert L.
 Searles, John F.
 Seldner, Rudolph
 Southard, Arthur T.
 Vincent, Wallace D.
 Willis, William W.—28.

1892.

Alden, Leila N.
 Anderson, Esther
 Bates, Clara W.
 Betts, Emily J.
 Eddy, Elsie R.
 Foster, Mabel
 Graham, Elizabeth S.
 Hills, Eva L.
 Miller, Carrie S.
 Parsons, Emma L. A.
 Adams, Charles S.
 Brooks, Leonard
 Hoole, Lester P.
 Howard, Charles T.
 Livingston, Frederick M.
 Loomis, Horace A.
 Pollock, Arthur R.
 Pratt, John T.
 Richmond, Eugene M.
 Vause, Harold C.—20.

1893.

Bomann, Mary T.
 Branch, Anna H.
 Cowles, Winifred E.
 French, Maud M.
 Holmes, Abby B.
 Kneeland, Jessie
 McDermott, Ella

Mudge, Isadore G.
Ogden, Mary H.
Patterson, Mabel L.
Rapalje, Louisa C.
Schroeder, Francis
Tingley, Effie M.
Van Everen, Grace A.
Walker, Ray R.
Chadwick, Charles

Edgar, Fred P.
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Fort, Jerome H.
Hammond, Clarence A.
Johnson, Frank Holmes
Kneeland, Henry T., Jr.
Pouch, William H.
Prosser, Herman A.
Wager, Western W.—25.

Text Books.

ANCIENT LANGUAGES.—Harkness' Latin Grammar. Collar and Daniell's Beginner's Latin Book; Whiton's Six Weeks' Preparation for Reading Cæsar. Harkness' Cæsar. Greenough's Vergil. Allen and Greenough's Ovid. Harkness' Cicero. Boise's Greek Lesson's. Allen's Hadley's Greek Grammar. Boise's Xenophon and Homer. Jones' Greek Prose Composition. Jones' Latin Prose Composition.

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PHYSICAL SCIENCES.—Carhart and Chute's Elements of Physics. Prescott's First Book in Qualitative Chemistry. Prescott and Johnson's Qualitative Analysis. Fresenius Quantitative Analysis. Remsen's Chemistry. Remsen's Organic Chemistry. Bloxam's Metallurgy. Young's Elements of Astronomy. Wood's Elementary Mechanics. Slings and Brooker's Electrical Engineering.

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MATHEMATICS.—Barnes' Primary Arithmetic. Colburn's Mental Arithmetic. Thomson's Complete Graded Arithmetic. Thomson's Intellectual Arithmetic. Hobb's Academic Arithmetic. Wells' Algebra. Wells' Higher Algebra. Packard's Bookkeeping. Wentworth's Geometry. Wentworth's Trigonometry. Church's Descriptive Geometry. Davies' New Surveying. Anthony's Mechanical Drawing.

ENGLISH LANGUAGE AND LITERATURE.—Sprague's Irving's Sketch Book. Rolfe's Scott's Lady of the Lake. Lounsbury's English Language. Skeat's Chaucer. Rolfe's Edition of Shakespeare's Plays. Hudson's Wordsworth. A. S. Hill's Principles of Rhetoric. Thurber's Selected Essays of Macauley and Addison.

HISTORY AND POLITICAL ECONOMY.—Anderson's American History. Stone's History of England. Myers' General History. Fiske's Civil Government. Johnston's American Politics. Laughlin's Political Economy.

PHILOSOPHY.—Hill's Psychology. Robinson's Principles and Practice of Morality. Hill's Jevons' Logic. Fisher's Evidences of Christianity.

ENGLISH GRAMMAR.—Reed and Kellogg's Higher Lessons in English. Swinton's and Knox's Language Lessons.

READERS.—Barnes' New National Readers. The Franklin series. Monroe's Fifth Reader. Reed's and Lovell's Spellers. Holmes' Readers.

GEOGRAPHY.—Monteith's and Barnes' Descriptive Geographies.

°

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Third Grade.....	28 00
Second Grade.....	24 00
First Grade.....	20 00

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Third Grade.....	\$17 50
Second Grade.....	15 00
First Grade.....	12 50
KINDERGARTEN.....	10 00

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NO DEDUCTION is made for absence of less than a half term; in case of consecutive absence of five weeks or more, tuition for one-half the time will be refunded.

Special students who attend one class recitation only, pay \$15 a quarter for each branch pursued. Special students in the sciences are entitled to one period of laboratory work, besides recitations and lectures; for extra work in the laboratories they pay \$10 a quarter for each additional period.

Students in the Chemistry classes will make a deposit of \$5.00 to cover waste and breakage.

Special students in the Gymnasium pay \$9 a quarter for three lessons a week, and \$6 a quarter for two lessons a week.

Any student who has more than two studies, who occupies a seat in the school and has the benefit of the general exercises, is considered regular, and pays full tuition bills. NO SPECIAL STUDENT is received for less than one quarter.

For Instruction in DRAWING or PAINTING the fee is \$10 per term of ten weeks, for a half day, or \$15 for the whole day.

The Academy maintains a Book Room where all books and stationery may be purchased by the students for cash.

THE CALENDAR.

1893=1894.

1893.

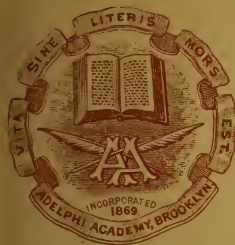
- June 13.. Tuesday Entrance Examinations.
 Sep. 13.. Wednesday Fall Term begins.
 “ 13.. Wednesday }
 “ 14.. Thursday.. } Entrance Examinations.
 “ 15.. Friday.... }
 “ 18.. Monday..... Recitations begin.
 Nov. 22.. Wednesday Winter Term begins.
 “ 30.. Thursday.. }
 Dec. 1.. Friday } Thanksgiving Recess.
 Dec. 22.. Friday, 12 M..... Christmas Vacation begins.

1894.

- Jan. 3.. Wednesday Winter Term resumed.
 “ 31.. Wednesday Spring Term begins.
 Feb. 22.. Thursday Holiday—Washington’s Birthday.
 Mar. 22.. Thursday . }
 “ 23.. Friday } Easter Recess.
 “ 26.. Monday... }
 “ 27 . Tuesday Spring Term resumed.
 April 11.. Wednesday Summer Term begins.
 May 30.. Wednesday Holiday—Decoration Day.
 June 12.. Tuesday Commencement.
 June 13.. Wednesday Entrance Examinations.

The Principal’s office—entrance on Clifton Place—will be open forenoons, after September 7th, 1893, to receive any persons who may wish to make inquiry about the Academy.

23 H
93/94



The Adelphi Academy

of BROOKLYN.

1893—1894





THE ADELPHI ACADEMY

Of BROOKLYN,

Lafayette Avenue, St. James Place and Clifton Place.

Twenty-fifth Annual Catalog.

BROOKLYN, N. Y.

1893—1894



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THE ADELPHI CALENDAR.

1893—1895.

1893.

Sept. 13..Wednesday..... Fall Term begins.

Nov. 22..Wednesday.....Winter Term begins.

1894.

Jan. 31..Wednesday..Spring Term begins.

April 11..Wednesday.....Summer Term begins.

May 30..Wednesday.....Holiday—Decoration Day.

June 12..Tuesday.....Commencement.

June 13..Wednesday.....Entrance Examinations.

Sept. 19..Wednesday.....Fall Term begins.

Sept. 19, 20, 21.....Entrance and Condition Examinations.

Sept. 24..Monday.....Recitations begin.

Nov. 6..Tuesday.....Holiday—Election Day.

Nov. 28..Wednesday.....Winter Term begins.

Nov. 29-30..Thurs. and Fri. Thanksgiving Recess.

Dec. 24..Monday, to Jan. 1st, 1895,

Tuesday.....Christmas Recess.

1895.

Jan. 30..Wednesday.....Spring Term begins.

Feb. 22..Friday.....Holiday—Washington's Birthday.

April 10..Wednesday.....Summer Term begins.

April 11..Thursday, to April 17th,

Wednesday.....Easter Recess.

May 30..Thursday.....Holiday—Decoration Day.

June 11..Tuesday.....Commencement Day.

PRINCIPALS

OF THE ADELPHI ACADEMY SINCE ITS INCORPORATION.

JOHN LOCKWOOD, B.A., Columbia, '48.

1869-70.

HOMER B. SPRAGUE, B.A., A.M., Yale, '52, '55, Ph.D., Univ. of N. Y., '73,

1870-75.

STEPHEN G. TAYLOR, B.A., Dartm., '47, Ph.D., Univ. of N. Y., '75.

1875-83.

Died, March 20th, 1884.

ALBERT C. PERKINS, B.A., Ph.D., Dartm., '59, '79.

1883-92.

JOHN S. CROMBIE, B.A., Mich. Univ. '77, Ph.D., Univ. of Minn., '93.

1892-93.

Died, April 16th, 1893.

CHARLES H. LEVERMORE, B.A., Yale, '79, Ph.D., Johns Hopkins, '86.

1893—.



In Memoriam.

JOHN S. CROMBIE,

JUNE 19th, 1854.—APRIL 16th, 1893.

When the Adelphi opened its doors in September, 1892, there sat at the desk in the Principal's office, a man in the prime of life, full of enthusiasm, eager to enter upon his new work, and hopeful for the advancement of the Academy. Seven months later the door of that office was locked ; a wreath of ivy lay upon the closed desk, which was draped with the emblems of sorrow. He who had looked forward to years of service here, had finished his work, and having been faithful unto death, was crowned with glory and honor.

Mr. Crombie came to Brooklyn with a record of brilliant scholarship and of sixteen years of successful work. He won all hearts by his manliness, the gentleness which was born of Christian love, and the faithfulness with which he performed every duty. In February there came to him suddenly the illness which was to be fatal. He was called to endure great suffering, which he bore with calm resignation, never once murmuring that he must close his life-work so early and be so soon separated from wife and children. On the morning of April 16th, from his useful and happy life he was exalted to a higher sphere of duty and felicity. The world is the better for such a man's life in it, and every one of us ought to be the better because he has lived and died among us. We can best honor his memory by imitating his virtues and cherishing the institution which lay so near his heart.

"I heard a voice from heaven saying unto me, write, Blessed are the dead which die in the Lord from henceforth: Yea, saith the Spirit, that they may rest from their labors ; and their works do follow them."

From the Adelphic, '93.



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ARQUIT, MARY 392 Clinton Avenue.
AUSTIN, SARA J. 107 Gates Avenue.
BIRDSEYE, EMILY L. 141 Gates Avenue.
BOGGS, JEAN 178 Clinton Street.
BROWN, D. F. Freeport, L. I.

BRYAN, KATHARINE.....	197 Ryerson Street.
CLAY, NELLIE H.....	499 Greene Avenue.
CREUSE, MME. JULIA V.....	187 Putnam Avenue.
CUDDY, LOUISE J.....	414 Macon Street.
DE ROUGEMONT, A ..	337 West 58th Street, N. Y.
DUNNING, MATILDA M ..	137 Gates Avenue.
EDWARDS, W. A.....	65 Clifton Place.
FARR, MABEL A.....	134 Prospect Place.
FLAGLER, FRANCES H ..	676 Greene Avenue.
FOSTER, EMMA E ..	436 Grand Avenue.
FOSTER, LILLIAN.....	290 Adelphi Street.
FOSTER, MABEL	290 Adelphi Street.
HARLOW, LOUISE D	119 Gates Avenue.
HARVEY, ANNA E.....	240 West 22d Street, N. Y.
HEDGE, HELEN D.....	106 Monroe Street.
HEDGE, LOUISE J.....	106 Monroe Street.
HEDGES, CARRIE E.....	160 Willoughby Avenue.
HOBSON, GEORGE P. F. ..	301 Henry Street.
HOLT, W. V.....	363 Grand Avenue.
HORMBY, MRS. MARIE D.....	699 Chauncey Street.
KALLWITZ, OSCAR.....	50 Livingston Street.
KENT, ALICE I.....	341 Lafayette Avenue.
KENT, HENRIETTA B ..	341 Lafayette Avenue.
LEGGETT, ESTELLE.....	22 Seventh Avenue.
LESTER, ORDELIA A.....	153 State Street.
LEWIS, A. S.....	133 Quincy Street.
MORRILL, CHARLOTTE.....	300 Adelphi Street.
OSBORN, F. W	18 Spencer Place.
PATEMAN, EDNA E	Carlton Hill, N. J.
PECKHAM, MRS. V. D.....	131 Cambridge Place.
PECKHAM, W. C.....	406 Classon Avenue.
PETTIT, H. S	297 Ryerson Street.
RAWSON, CHARLOTTE	9 Clifton Place.
REDDALL, FREDERIC	383 Seventh Street.
ROBINSON, MRS. CORNELIA S.....	48 Irving Place.
ROSE, J. T.....	402 Adelphi Street.
ROWSE, ELLA A.....	214 Schermerhorn Street.
SEELYE, A. M.....	280 Ryerson Street.
SEELYE, B. P.....	121 St. Felix Street.
SHARE, W. W.....	331 McDonough Street.
SHIELDS, J. FRANK.....	358 Carlton Avenue.
VANDERCOOK, MRS. M. E.....	278 Clifton Place.
WADSWORTH, A. C.....	418 Lafayette Avenue.
WATERS, MRS. H. M.....	420 Adelphi Street.
WEBSTER, W. T	394A Lafayette Avenue.
WEEKS, JEANNETTE D.....	79 Hanson Place.
WENTWORTH, ELMER E.....	264 Ryerson Street.
WHITMAN, C. S	280 Ryerson Street.
WHITTAKER, J. B.....	419 Hancock Street.
WHITTAKER, MARY W.....	419 Hancock Street.
WILLIAMS, JOHN P.....	Morris Park, L. I.
WILLIS, LETTIE A.....	54 Downing Street.
WYKES, MARY L	104 Cambridge Place.

The Adelphi Academy.

Historical Sketch.—The Adelphi Academy derives a remote origin from a school for boys which was projected in February, 1863, by Edward Bunker and Aaron Chadwick. During the summer these gentlemen transferred their school to Mr. John Lockwood, a man of rare ability as a teacher, who began his labors in September, 1863, in buildings upon Adelphi Street, with eleven pupils. Under his management the increase of numbers in attendance at the Academy was remarkably rapid. Systematic physical training under Mr. T. J. Ellinwood was a marked feature of the Academy life, and Mr. Ellinwood became associated with Mr. Lockwood in the management of the Academy. So much interest was manifested in the development of a representative school upon the Hill that a number of patrons took a pecuniary interest in the acquisition of new grounds and buildings. The present site of the institution was purchased and the corner stone of the original Lafayette Avenue building was laid July 23d, 1867, by the Rev. Henry Ward Beecher, after appropriate ceremonies in the Clinton Avenue Congregational Church.

On the 12th of the following November Prof. Warren T. Webster began his long connection with the Adelphi. Among the founders of the Academy, Prof. Webster's name should occupy a very prominent place. He has remained continuously in the Adelphi since 1867, and has contributed thereto all the unique force of his personality. When the Adelphi was preparing for removal to the

new site it expanded its character as well as its environment and became coeducational. The change, viewed with a doubt at first by some, has been amply justified by time and experience. In February, 1868, the Academy first occupied its new home with numbers multiplied almost forty-four-fold beyond its initial attendance five years before. Nevertheless the expense of maintaining the equipment had become so great that Mr. Lockwood, in the summer of 1869, relinquished the ownership of the institution to the gentlemen who had already given him material support. They assumed the responsibility with the intention of transforming the Adelphi from a private into a public institution and of making it the property of the community. Mr. Wm. S. Woodward and twenty other citizens provided the necessary funds to establish the Academy upon its new basis, and they also secured a charter of incorporation from the Board of Regents of the University. These fathers of the Adelphi were : William S. Woodward, Buckley T. Benton, Alfred S. Barnes, Alfred C. Barnes, William H. Wallace, Charles H. Noyes, Charles Evans, Gen. Henry W. Slocum, Samuel M. Mills, Thomas Vernon, Joseph C. Hutchison, M.D., Charles E. Hill, Enos N. Taft, Rev. Dr. Wm. Ives Budington, John Davol, Charles Pratt, Samuel Crowell, Peter M. Dingee, Joseph P. Elliott, M.D., Samuel Wright and Truman J. Ellinwood.

During the winter of 1870-71 a number of gentlemen, more than one hundred in all, contributed \$50,000 for the benefit of the Academy. By gifts from several of the Trustees and from other friends of the Academy, the western wing was built in 1873, and in 1880 the eastern wing was added by gifts from Charles Pratt and Hayden W. Wheeler, members of the Board of Trustees.

The increasing number applying for admission required still larger accommodations, and in 1886 Mr. Charles Pratt, President of the Board of Trustees, by a gift of \$160,000, provided means for a new building upon the following conditions :

“That it should be the aim of the Institution to provide improved apparatus and appliances for teaching, and to employ a sufficient number of the best instructors with adequate salaries, and that the total number and the age of pupils should be limited to correspond with the carrying out of this idea, and further, that when

this result should be accomplished, and the annual surplus revenue of the school in any year should equal or exceed \$5,000, then each year in which the surplus revenue equals or exceeds the said amount, at least \$5,000 should be set apart towards forming a permanent fund, equal to the sum donated, the income of which should, as soon as sufficient, be applied to the support of a Department of Physical Education and the Laws of Health."

This fund was accepted on the conditions proposed, and the new building was substantially completed and ready for occupancy at the beginning of the school year, September, 1888.

The Adelphi Academy during this first quarter century of its corporate existence has grown to be the possessor of about a half-million of dollars' worth of property and the educational home of about one thousand pupils. It is not a private speculation, but a public benefaction. It belongs to no one man or set of men, but to the whole community. Should the receipts be greater than the expenditures the community alone will be the gainers. The controlling purpose of the founders who have made these gifts to the public was to advance the cause of education and the common welfare by bringing hundreds of our most promising children and youth under influences that should foster in them a nobler manhood and womanhood ; to lay broad and deep the foundations of their usefulness and happiness and so to plant in the heart of this great city an institution that should go on expanding and blessing long after its founders had passed away.

Great opportunities disclose greater needs. The Adelphi Academy to-day can do more good and needs more help than at any time during its twenty-five years of life.

Departments of the Academy and Terms of Admission.—

The courses of study and methods of instruction are designed to furnish a thorough and systematic education from the very beginning to the time when the student is either equipped for the active work of mature life, or is ready to enter upon the special training of university studies.

The Adelphi Academy comprises five divisions: The Kindergarten, the Academic Department, the Collegiate Department, the Art Department and the Department of Physical Culture.

The Kindergarten Course may extend through three years. It forms an admirable preparation for the work of the Primary grades. A training-class for teachers is maintained in connection with the Kindergarten. Into the Kindergarten itself children four years old and upward are admitted. They have careful attention from the time of reaching the building until they leave, and are trained by the most approved methods. They are kept quite separate from the main body of students. A visit to the Kindergarten will prove its best recommendation. There are skilful and approved teachers, a large number of assistants and an ample supply of every needful equipment. The hours of session are from 9 A. M. to 12 M. Parents of the pupils are at all times welcome in the Kindergarten rooms. Other visitors are requested to apply for admission in the Bursar's office. The vacations are the same as in other departments of the Academy.

The Academic Department comprises eight classes, including the three Primary grades, formerly called "Preparatory" in the Adelphi. Pupils may be admitted to this department who have attained the age of six years or over. The course of study is completed in eight years. The studies of the eighth year involve what is usually called "the High-School grade" of work. Rooms and hours of the school session in this department are so arranged that pupils of the three primary grades do not come in contact with other classes.

The Collegiate Department includes four years of study, but the student may select any one of three courses in the department, viz., the Classical Course, the Literary (hereafter to be called the Collegiate) Course and the Scientific Course.

The Classical Course affords a thorough preparation for any American university, and graduates from this course will have read as much Latin and Greek as will satisfy collegiate requirements as far as the end of Sophomore year.



MAIN STAIRWAY



KINDERGARTEN



GYMNASIUM

FLORIDA
1910
LEXICON

PRIMER
C
1910

The Collegiate Course offers a comprehensive education in Languages, Literature, History and Politics, Philosophy and the Fine Arts, and Natural Science.

The Scientific Course gives a thorough preparation for any advanced scientific or technical college, while graduates from this course will have an assured practical knowledge of Physics, Chemistry, Mathematics and its applications in Mechanics and Surveying, History and Languages, including the mother-tongue. The choice of elective studies in any of these courses is made subject to the approval of the Faculty.

The diploma of the Academy is given to every student who completes any one of these prescribed courses.* If any regular student in the Collegiate Department goes from the Academy to a college or university, the diploma of the Academy may be granted to him or her in due course upon evidence that an equivalent of the remaining work in the Adelphi curriculum has been satisfactorily performed in the class-rooms of such a college or university.

In the Art Department students may follow special lines of work, or may take a more systematic and comprehensive course, four years in length.

The Department of Physical Culture offers facilities for outdoor and indoor exercise of all kinds and grades. From the beginning of the Adelphi Academy this Department has performed an important and prominent work in it. The curriculum of this Department is coterminous in years with that of the Academy, and special students are enabled to pursue special lines of exercise under competent direction.

Admission of Students.—The regular examinations for admission will take place on June 13, 1894, and on September 19, 20 and 21, 1894, at the Academy. Admission at any time is granted to those who pass satisfactory examinations in the work that has been done by the classes which they propose to enter. Students from other schools who have not had all the studies offered in the earlier years

*In the year 1894 the former usage of allowing classical students to graduate with only three years of work in the Collegiate Department will be observed for the last time.

of the Adelphi, may be admitted under special conditions, enabling them to make up the omitted work. Pupils from the Brooklyn Public Schools will be exempted from examinations for admission to the Academic Department on those subjects for which they present a certificate showing a standing of not less than 75 per cent.

Persons who wish to enter the Academy for the purpose of studying special subjects must give satisfactory evidence of ability to pursue such studies, and must conform to all the regulations prescribed for those in the regular courses. The privilege of pursuing special subjects will be withdrawn from all who fail to comply with such regulations.



The Course of Study.

The new course of study for the Adelphi Academy, herewith presented, has been partly anticipated during the present year and will be the normal curriculum of the school after the opening of the next Fall term in September, 1894. Arrangements will be made wherever necessary to facilitate the transfer of existing classes from the old curriculum to the new one. For a year or two, consequently, it will not be possible to avoid a few deviations from the new curriculum in minor points of detail.

The attention of the community is especially invited to the following principal features of the new Adelphi curriculum :

First. The Early Study of Modern Languages. The study of modern languages begins among the primary grades. During the five years after leaving the Kindergarten the pupil will be enabled to give four years to German and two years to French, and he may make the study of either language almost continuous, if he wishes, from that time until graduation. German and French are taught to the little ones conversationally, and the beginnings of Latin study are introduced in a partly similar way. English, German, French and Latin are thus closely associated as language studies rather than as grammar studies, and they are all made to contribute together to the acquisition of a copious and well-chosen vocabulary in the mother-tongue. Latin and Greek are each begun one year earlier than heretofore.

Second. The Correlation of Studies. In the Academic grades, especially, the studies of English, History, Geography and Natural History, are closely affiliated with one another upon a systematic plan. The study of English reading and of English sentences will be based largely upon historical, geographical and science readers. These readers are selected with especial reference to the synchron-

ous study of Geography and Natural History, so that, for instance, the student will study at one time the Geography of Europe and the flora and fauna of Europe, and will read the stories of English, French and German History.

Third. Reform in the Study of Mathematics. The study of Arithmetic is made, so far as possible, the study of a business man's Arithmetic. Those portions of the Arithmetical text-books which really belong to higher mathematics are brought in where they belong, under Geometry and Algebra. A change of prime importance and benefit is the introduction of Elementary Geometry at an earlier grade than heretofore, and the relegation of Algebra to a later stage. This change is desirable not only on account of the highly imaginative character of Algebraic processes, but also because Geometry is essentially fundamental in Mathematics. The Elementary Geometry given in the Seventh Academic grade is the study of actual constructions, which the student is to perform with instruments in his hands. The work is not a drill in memorizing, but an exercise in the production of original demonstrations. This geometrical study, therefore, upon one side, becomes a continuation of the drawing-study of the earlier years, and upon the other side, it is the practical employment of mathematical principles in an exercise in logic. In the later years Mechanical Drawing, as an important part of the laboratory work in mathematics, receives the prominence that it deserves.

Fourth. A Comprehensive Education and Consecutive Studies. The Collegiate Department of the Academy presents a more comprehensive plan of education than heretofore. After the development of character the chief aim of education is to secure a liberal culture. With the course of study here adopted, although some specialization is permitted, regular students in all courses will profit by the consecutive study of liberal amounts of literature, history and politics, and science. The classical student will not devote himself too exclusively to Greek and Latin, neither will a scientific training debar the student from literature and history.

It is noteworthy that the student who desires it may follow the study of a single subject through many consecutive classes. Thus, German may be studied for nine years, French for eight years,

Latin for seven years, Greek for five years, while English study holds the prominent place in every year of the twelve. History and politics, in one form or another, extend through every year of the course except one, and the study of the Fine Arts takes its proper place by the side of History. Science-study is required of all students, and especial attention is paid to this work among all the earlier classes. Physics and Chemistry are each studied for four years, while Natural History and its kindred topics are studied throughout the whole course.

Particular attention is also invited to the opportunity for two years' study of the Spanish language. This offer should be of special service to young men who intend to enter a business career.

Finally, the advanced work of the Mathematical Department receives more time and assumes a more systematic shape than ever before. In conjunction with the required science of the Scientific Course it insures a sound training in pure and applied science, together with ample laboratory facilities.

Fifth. Biology in the Collegiate Course. Particular attention is invited to the range and sequence of studies in the central course of the Collegiate Department, the Collegiate Course. Every thorough course of education should contain a strong sequence of science study experimentally taught. Biology and its related subjects are the scientific background of this Collegiate Course. Biology is the science which deals with life, and is, therefore, most closely connected with the study of life in history and literature. It is also the science that is most intimately connected with woman's work in the world, and hence this course of training will prove to be exceedingly valuable for young women. On the other hand, the extended study of Biology with laboratory equipment will be the best possible preparation for the study of medicine, and hence this course is recommended to the careful attention of young men who are thinking of entering subsequently upon the study and practice of medicine.

Moreover, the Collegiate Course is, in general, preëminently a culture course in literature, language and history, and particular emphasis is laid upon the study of the history and philosophy of Art as a pendent to the study of History and Psychology. The

Art School already in the Academy makes this an especially fortunate opportunity.

Sixth. The Continuity of Science Study. Natural Science is to become as continuous a feature of the curriculum as History or English. The study of the object or, where the object is necessarily lacking, of the picture, is made prominent in every one of the primary class-rooms. In each year of the lower grades the concrete facts of elementary natural history and of the physics and chemistry of daily life are studied and explained. Biology in the Collegiate Department is based, therefore, upon a considerable equipment of knowledge concerning zoölogy and botany, and physics and chemistry, when taken up, connect naturally with the preceding study of life and its environment.

Seventh. Arrangement of the Studies in the English Language and Literature. The mother-tongue is to be studied by the laboratory method. That means that the younger pupils are to become familiar with the best books of juvenile literature. Such books will be used as reading books, and the study of English grammar will also be based upon them. The correct use of English, in other words, is to be insured as much as possible by constant familiarity with the best models. Formal grammar should be simplified, and its terminology should be made plain and practical.

Similar methods will characterize the study of English Literature. The library is the laboratory, and the class carries in hand not a description of the subject, but the subject itself. Practice in writing the mother-tongue well is to be secured not so much by the formal essay as by the writing of themes in the class, the natural expression of the moment's thought. The list of books from which reading books and texts in literature are to be chosen can be examined in the catalog of the Academy.

Eighth. Systematic Physical Training. Last, but not least in importance, is the new requirement of uniform, systematic physical training on the part of every student. Provision of time and instruction is made for every class. The younger classes, to the Sixth Academic grade inclusive, are required to engage in the regular calisthenic exercises as at present. Above that class each student must engage at least twice a week in systematic exercises un-

der the eye of an instructor. The student will be told what exercises are needful and suitable, where to begin and when to stop. The different classes will be given such a physical training in field or gymnasium, or both, as will insure a normal muscular development, and under natural conditions the certainty of physical health. This physical culture is by no means intended to secure merely expertness in playing games. It is rather the education of the body which is intended to accompany the education of the mind. It inures to the benefit of all students, and not to the sole benefit of a few favored athletes.

The Adelphi Academy is not seeking for reputation in athletics, but it is planning to shield its best students from the danger of a break-down on account of insufficient or improper exercise.

The acquisition of a playing-field by means of the generosity of the Trustees and Alumni has rendered it possible to make adequate provision for this weekly physical culture. Through the larger part of the year classes of both boys and girls can be kept engaged at the same time, one in the gymnasium, and the other at the field. The more advanced classes will naturally obtain from the latter convenience the highest degree of profit.

CONSPECTUS OF STUDIES.

Subject to modifications made necessary by transition from old curriculum and by requirements of time-tables.

THE KINDERGARTEN.

1. The Songs and Games of the Kindergarten introduce the study of Natural Science, stimulating the imagination, developing a sympathy with nature, and suggesting the highest ideals in thought and action.
 2. The Gifts form the basis of Mathematical Science, illustrating the solid, surface, line and point. The pupil acquires from the Gifts a knowledge of geometric forms and of different combinations of number.
 3. The Occupations apply the principles that underlie the Gifts and cultivate a taste for the beautiful in form and color, training the eye and hand to work in unison with the mind; learning comes by doing. Color music is used, including also exercises in breathing.
- The Kindergarten training seeks to develop inventiveness, thoroughness, sympathy and generosity, power of concentration and power of language and reason. The right beginning is half the battle.

A third or intermediate year is proposed, which shall be a transition year for pupils who have completed the foregoing work, but are not yet mature enough for the tasks of the first primary grade. This year will continue advanced Kindergarten work in drawing, modelling and elementary number, with the beginnings of Primary instruction in language.

ACADEMIC DEPARTMENT.

	I. Language.	II. History.	III. Geography.	IV. Science Study.	V. Æsthetic.	VI. Number Work.
<i>1st Grade.</i> Session 8:50 to 10'clock. periods arranged on half-hour basis.	1. English Words and Sentences. Phonic Analysis. Story Telling. Script Readers. Spelling. 15 Exercises weekly.	1. Stories included in (I).	1. Natural Features. Stories and Conversation included in (I).	Color, Outline, Size, Dimensions, Mineral, Vegetable, Animal. The Succession of Seasons, Weather. 4 exercises weekly.	1. Drawing. 2. Writing. (Script Readers.) 3. Singing. 4. Physical Culture. Calisthenics. 8 to 11 exercises weekly.	Numeration. The Four Fundamentals. Units of Measure, Weight, Space, United States Money. Simple Fractions. Relations of Number: First to Form (IV) and Second to Measurements. 7 exercises weekly.
<i>2nd Grade.</i> Sessions and periods as above.	1. English.—As before. Nature Readers. Spelling and Punctuation. 10 Exercises weekly. 2. German.—Conversations. 4 Exercises weekly.	Stories included in (I).	Points of Compass, Facts of Climate, Physical Geography of the continents begun with North America. 4 exercises weekly.	The Human Body. Talks upon Climate and Geographical progress. Elementary Science and Natural History. 2 exercises weekly.	As before. 8 to 11 exercises weekly.	As before. Colburn exercises weekly. 6
<i>3d Grade.</i> Sessions and periods as above.	1. English.—Spelling, Written and Oral. Nature Readers, Geography Readers, History Readers. Hyde No. 1, 9 Exercises weekly. 2. German.—Conversation and Reading. 3	Stories, and Historical Readers included in (I).	Complete foregoing; Peoples, Productions, Occupations. Study of United States begun. Geography Readers. 4 exercises weekly.	Elementary Science and Natural History. Flora and Fauna of United States. 2 exercises weekly.	As before, 8 to 11 exercises weekly.	As before, Fractions. 6 exercises weekly.

	I. Language.	II. History.	III. Geography.	IV. Sci. Study.	V. Aesthetic.	VI. Math.	VII. Phys. Cul.
<i>4th Grade.</i> Sessions 8:50 to 12 and 1 to 2:30. Periods on half-hour Basis.	1. English.—Hyde No. 2, Oral and Written Exercise. Readers as before. 9 Ex. weekly. German.—3 Exercises weekly. 3. French.—4 Ex. w'kly.	Historical Readers included in (I).	Political and Descriptive of U.S. and America. 4 exercises w'kly.	Zoölogy and Botany of America. 2 exercises w'kly.	Elocution. As before, 8 to 12 exercises weekly.	As before, Fractions, Factoring, Decimals. Compound Quantities. 6 exercises w'kly.	
<i>5th Grade.</i> Sessions and periods as above.	1. English.—Hyde No. 3, Grammatical Structure, Word Study, Spelling, Abstracts of Reading, Composition. Read as before. 10 Exercises weekly. 2. German.—3 Exercises weekly. 3. French.—3 Exercises weekly.	Historical Readers included in (I).	Europe and Asia. 4 exercises weekly.	Zoölogy and Botany of Europe and Asia. 2 exercises weekly.	As before, 8 to 12 exercises weekly.	Compound Quantities, Percentage, Interest. 6 exercises weekly.	
<i>6th Grade.</i> Sessions 8:50 to 12 and 1 to 2:40. Periods on half-hour basis.	1. English.—As before Analysis of sentences. Selected masterpieces of English Literature. 8 exercises weekly. 2. French.—3 exercises weekly. 3. Latin.—Oral practice. Gradation, Lesson book. 4 exercises weekly.	History of the English race. 4 exercises weekly.	Africa and Polynesia. Review. 3 exercises weekly.	Zoölogy and Botany of Africa and Polynesia. Physical Geography and Geology. 2 exercises weekly.	As before, 8 to 12 exercises weekly.	Percentage, Review. 6 exercises weekly.	
<i>7th Grade.</i> Sessions and Periods as above.	1. English.—Analysis, Compositions. Rhetoric, Literature as before. 8 exercises weekly. 2. German.—3 exercises weekly. 3. Latin.—4 exercises weekly.	History of the English race. 4 exercises weekly.		Hygiene.—2 exercises weekly.	As before, omitting No. 4. No. 1 optional. For boys excused from Singing; Drawing or Bookkeeping optional.	Elementary Geometry. 7 exercises weekly.	Gymnashium or Field Work. 2 hours.
<i>8th Grade.</i> Sessions as above. Periods 50 minutes.	1. English.—Review of Literature. Composition. 3 hours. 2. French.—3 hours. 3. Latin.—3 hours. 4. Greek.—Lesson book. 3 hours. Take 1, 3, 4, or 1, 2, 3.			Physiology, 1st Semester. 3 hours.	1. Singing. 2. Elocution. For boys excused from Singing; Drawing or Bookkeeping optional.	Algebra to quadratics, 4 hrs. Arithmetic Review. 2d Semester, 3 hours.	As before. 2 hours.

COLLEGIATE DEPARTMENT --Junior Year.

Classical.	Hours Weekly.	Collegiate.	Hours Weekly.	Scientific.	Hours Weekly.
I. English.—2nd Sem. Latin. Greek. French. German.	4 4 3 3 3	English. Latin. German. French. 1 chosen.	4 4 3 3 3	English.—2nd Sem. Latin. German. French. 1 chosen.	3 4 3 3 3
II. 1st Sem. Pol. Science.	3	Pol. Science.	3	1st Sem. Pol. Science.	3
III. P. C.	2	P. C.	2	P. C.	2
IV. Physics.	3	1st Sem. Physiography. Physics. Gen. Biology 2nd Sem.	3 3 3	Physics. Chemistry.	3 3
V. Esthetic. 2 out of 3.	2		2		2
VI. Plan and Solid Geom.	3			Geom. and Mech. Drawing.	5

Junior Middle Year.

I. English.—1st Sem. Latin. Greek. German. French. Spanish.	3 4 4 3 3 3	English. Latin. German. French. Spanish. 1 chosen.	3 4 3 3 3 3	English.—1st Sem. Latin. German. French. Spanish. 1 chosen.	3 4 3 3 3 3
II. Ancient History. 2nd Sem.	3	Social Hist. 1st Sem. Anc. Hist. 2nd Sem.	3	Ancient History. 2nd Sem.	3
III. P. C.	2	P. C.	2	P. C.	2
IV. Chemistry.	3	Zoology. Chemistry.	3 3	Chemistry. Physics.	3 3
V. Esthetic. 1 out of 3.	1		1		1
VI. Algebra.—Completed. Math.—Review.	3	El. Logic. 1st Sem. El. Ethics and Psychol. 2nd Sem.	2 2	Algebra and Trig. and Mech. Drawing.	5

Esthetic.—Music, Drawing and Elocution.

o.—Optional.

COLLEGIATE DEPARTMENT.—Senior Middle Year.

Classical.	Hours W'kly.	Collegiate.	Hours W'kly.	Scientific.	Hours W'kly.
I. English Literature.	2	English Literature.	2	English Literature.	2
Latin.—Livy, Horace, Pliny.	3	Latin, as before. o.	3	German, . . . o.	3
Greek.—Homer, Plato's Apology.	3	German, . . . o.	3	French, . . . o.	3
German, . . . o.	3	French, . . . o.	3	Spanish, . . . o.	3
French, . . . o.	3	Spanish, . . . o.	3		
II. Mediæval Hist., o.	3	Mediæval Hist., with	3	Mediæval History, o.	3
Political History of England and United States.	3	Anc. and Med. Art.	2	Political History of England and United States.	3
		Political History of England and U. S.	3		
III. P. C.	2	P. C.	2	P. C.	2
IV. Comparative Anatomy and Physiology, o.	3	Mineralogy and Botany, . . . o.	3	Mineralogy and Botany, . . . o.	3
Mineralogy and Botany, . . . o.	3	Biology, Comparative Anatomy and Physiology.	3	Comparative Anatomy and Physiology, o.	3
				Physics.	3
				Chemistry. (*)	3
V. Aesthetic.	1		1		1
VI. Trigonometry with Surveying and Drawing. . . o.	3			Trigonometry with Surveying and Mechanical Drawing.	3
14 hours required. Must choose 6 more.		14 hours required. 6 more to choose.	6	*Nine hours of Science required.	

Senior Year.

I. English Literature.	2	English Literature.	2	English, . . . o.	2
Choose one { Latin, Horace, Tacitus, Plautus.	3	Latin, . . . o.	3	German, . . . o.	2
{ Greek, Thucyd. Demosthenes, The Drama.	3	German, . . . o.	2	French, . . . o.	2
German, . . . o.	2	French, . . . o.	2		
French, . . . o.	2				
II. Modern History and Politics.	3	Modern History and Politics.	3	Modern History and Politics. . . o.	3
Political Economy and Sociology.	3	Political Economy and Sociology. . . o.	3	Political Economy and Sociology.	3
III. P. C.	2	P. C.	2	P. C.	2
IV. Astronomy and Geology. . . o.	3	Astronomy, 1st Sem., . . . o.	3	Astronomy and Geology. . . o.	3
		Geology. 2d Sem., o.	3	Physics, . . . o.	3
		Higher Biology, . o.	3	Chemistry, . . . o.	3
		One Science to be chosen.		Six hours required.	
V. Aesthetic. o.	1		1		1
VI. Calculus and Analytics. . . o.	3	History and Elements of Philosophy and Psychology.	3	Calculus and Analytical Geometry. o.	3
				Mechanical Design, o.	3
				One must be chosen.	
VII. History of Education. 1st Sem. o.	3	1. History of the Fine Arts in Modern Times, . . . o.	2		
History of Commerce and Industry. 2d Sem. . . o.	3	2. History of Education. 1st Sem., o.	3		
		History of Commerce and Industry. 2d Sem., . . . o.	3		
13 hours required. Must choose 6 more.		13 hours required. Must choose 6 more.		12 hours required. Must choose 7 more.	

.Aesthetic.—Music, Drawing, Elocution.

o.—Optional.

Summary of Class Work from the Sixth Grade Upwards.

I. Department of English: LANGUAGE AND LITERATURE.

The continuous English work in the Academy from the 1st to the 7th Grade inclusive, carries the pupil through a large amount of reading in History, Literature, Geography, and Natural Science. It is expected that the scholar will study grammar in literature, and not literature in grammar. The use of a formal English Grammar, except as a book of reference, is discouraged, and effort is made to teach English by the laboratory method, by reading, repeating, discussing, and if possible, *feeling* the finest masterpieces of the mother-tongue.

1. **Eighth Grade.** Selected Works of XIX. Century authors, American and British; Irving, Hawthorne, Longfellow, Whittier, Lowell, Warner, Burroughs, Scott, Dickens, Kingsley, Tennyson. Compositions. Three hours weekly.

2. **Junior Year.** Classical and Scientific Courses. The study of English Prose Style. XVIII. and XIX. Century Authors. Compositions. Three hours weekly, second half-year.

3. **Junior Year.** Collegiate Course. Early and Middle English. Earlier Elizabethan Literature. Sweet's Anglo-Saxon Primer, Cook's Judith, Skeat's Chaucer, Kitchen's Spenser's Faery Queen. Composition. Four hours weekly.

4. **Junior Middle Year.** Classical and Scientific Courses. XVIII. and XIX. Century Authors. Introduction to Shakespeare and Milton. Composition. Three hours weekly, first half-year.

5. **Junior Middle Year.** Collegiate Course. Introduction to Shakespeare and Milton. Minor XVII. Century Authors. Composition. Three hours weekly.

6. **Senior Middle Year.** All Courses. XVIII. Century Authors: The Classical School; The Essay; The Novel. XIX. Century; The Romantic School. Composition. Two hours weekly.

7. **Senior Year.** All Courses. XIX. Century: The "Man and Nature" School; Victorian Authors. Shakespeare, Milton, Bacon. Composition. Two hours weekly.

II. Department of Modern Languages. A. THE FRENCH LANGUAGE AND LITERATURE. The French instruction in the 4th and 5th grades is chiefly oral. Especial attention is given to the acquisition of a correct pronunciation, and of a vocabulary for common use. There is some reading of easy French, as in *Le Livre des Enfants* and *Anecdotes Nouvelles*. There is practice in writing French and in committing short passages to memory.

1. Sixth Grade. Reading and Conversing. Systematic drill, oral and written, in the Elements of the language. Drill Book A. Three times weekly.

2. Eighth Grade. Drill Book B; rapid reading of short stories (*Jeune Sibérienne*, *Chien du Capitaine*, etc.); translation from English into French, dictation exercises. Three hours weekly.

3. Junior Year. Reading of French histories, with discussions and exercise in translation. Optional. Three hours weekly.

4. Junior Middle Year. French Literature, XIX. Century (*Manuel de Littérature Française*); letter-writing, discussions. Optional. Three hours weekly.

5. Senior Middle Year. French Literature, XVIII. Century; collateral reading; French compositions. Optional. Three hours weekly.

6. Senior Year. French Literature, XVII. Century, as before. Optional. Three hours weekly.

B. THE SPANISH LANGUAGE.

It is intended to provide sufficient instruction in Spanish to enable the pupil to talk and read the language. The plan of work will have especial reference to the probable use of Spanish in trade.

1. Junior Middle Year. Conversation and easy reading. Exercise in writing; Study of relation between Spanish and Latin.

2. Senior Middle Year. Oral practice, with reading and Spanish composition.

C. THE GERMAN LANGUAGE AND LITERATURE.

Prior to the 6th Grade, the Adelphi student has already had instruction in German through four years, and should be the master of a considerable vocabulary. Next year the transition from the old to the new course of study will compel the study of German in the 6th Grade instead of French, although the latter study is called for by the schedule. The students of that grade will next year be entering upon only their second year's study of German. The modern language work of the 6th Grade next year, therefore, will be practice in German conversation, and exercise in reading and writing easy German.

1. Seventh Grade. Joynes-Meissner's Grammar, Part I. Von Eichen-dorf: *Ausdem Leben eines Taugenichts*. Selections from Hauff's *Die Karavane*. Conversation and simple compositions.

2. Junior Year. Joynes-Meissner's Grammar Part II., Schiller's *der Neffe als Onkel*, and *Wilhelm Tell*. Conversation and composition. Lectures in German.

3. Junior Middle Year. Whitney's Grammar. Lessing's *Minna von Barnhelm*, Paul Heyse's *die Blinden*. Conversation and composition. Lectures: Study of poems.

4. Senior Middle Year. Whitney's Grammar and German Reader; Goethe's *Iphigenia*; Herman Grimm's *Essays*. Conversation and composition. Lectures.

5. Senior Year. Whitney's Grammar and Reader; Gustave Freitag's *Soll und Haben*. Reading of German periodicals. Conversation and composition. Lectures.

III. Department of Ancient Languages. A. THE LATIN LANGUAGE AND LITERATURE.

1. Sixth Grade. Oral practice. Etymologies. Lesson Book. Gradatim. Four times weekly.

2. Seventh Grade. *Viri Romae*. Nepos. Four times weekly.

3. Eighth Grade. Cicero's *Letters*. Sallust, Ovid. Three hours weekly.

4. Junior Year. Classical Course. Optional in Collegiate and Scientific Courses. Cicero's *Orations*. Cæsar. Vergil. Latin at sight. Latin Composition. Lectures on Roman Life, illustrated with lantern views. Four hours weekly.

5. Junior Middle Year. Classical Course. Optional in Collegiate and Scientific Courses. Curtius. Cicero's *de Amicitia* and *de Senectute*. Vergil. Latin at sight. Latin Composition. Lectures on Roman Archæology, illustrated with lantern views. Four hours weekly.

6. Senior Middle Year. Classical Course. Optional in Collegiate Course. Livy. Horace. Pliny. Latin at sight. Latin Composition. Lectures on Roman Literature. Three hours weekly.

7. Senior Year. Optional in Collegiate and Classical Courses. Horace. Tacitus. Plautus. Latin at sight. Latin Composition. Lectures on Roman Literature. Three hours weekly.

B. THE GREEK LANGUAGE AND LITERATURE.

1. Eighth Grade. Optional, but required for admission to Classical Course. Lesson Book. Xenophon's *Anabasis*. Three hours weekly.

2. Junior Year. Classical Course. Lucian. Xenophon's *Anabasis*. Homer's *Iliad*. Greek at sight. Greek Composition. Lectures on Greek Life, illustrated with lantern views. Four hours weekly.

3. Junior Middle Year. Classical Course. Lysias. Xenophon's *Hellenica*. Homer's *Iliad* and *Odyssey*. Greek at sight. Greek Composition. Lectures in Greek Archæology, illustrated with lantern views.

4. Senior Middle Year. Classical Course. Herodotus. Plato's Apology. Pindar. Greek at sight. Greek Composition. Lectures on Greek Literature.

5. Senior Year. Optional in Classical Course. Xenophon's Memorabilia. Thucydides. Demosthenes. Greek at sight. Greek Composition. Lectures on Greek Literature.

IV. Department of History and Politics. Prior to the 6th Grade, a large part of the required work in reading and in the study of English is based upon historical readers and historical stories suitable for young students. Throughout the 6th and 7th Grades the History of the English Race is a required study, comprising the social and political history of the English race in all its homes. The work is conducted topically and by reference readings so far as possible, but the scholars may use as text-books, Higginson and Channing's English History for American Readers, Montgomery's and Sheldon-Barnes's American Histories, and the Epoch Series of American History.

1. Junior Year. All Courses. Political Science : Civil Government, including study of political institutions, local and national governments of the United States. John Fiske's Civil Government. Dole's American Citizen. Three hours weekly, first half-year.

2. Junior Year. Collegiate Course. Political Science : Economic questions with especial reference to American Political History. Johnston's American Politics. Three times weekly, second half-year.

3. Junior Middle Year. Collegiate Course. Social History. Origins of historic races and of social institutions, the family, Church and State. Tylor's Anthropology. Joly's Man before Metals. Morris's The Aryan Race. Three times weekly, first half-year.

4. Junior Middle Year. All Courses. Ancient History. The ancient civilizations to the downfall of the Roman Empire in the West. Ducoudray's Ancient Civilizations. Myers's Ancient History. Epochs of Ancient History Series. Three times weekly, second half-year.

5. Senior Middle Year. All Courses. Mediæval History. The History and Literature of Mediæval Europe, of the Renaissance and Reformation. Myers's and Duruy's Histories. Epochs of Modern History Series. Symonds and Hæusser. Three times weekly. Optional in Classical and Scientific Courses.

6. Senior Middle Year. All Courses. Political History of England and the United States. The development of free institutions among the English-speaking races. Green's Short History of the English People. John Fiske's Histories, and Schouler's and McMaster's Histories of the United States. Three times weekly.

7. Senior Year. All Courses. Modern History and Politics. Syllabus of Reference Reading. Discussions and Papers. Epochs of Modern History Series. Mueller's Political History of Recent Times. Three times weekly. Optional in Scientific Course.

8. Senior Year. All Courses. Political Economy and Sociology. Economic history and science and studies of applied economics. Gide's Political Economy. Ely's Outlines of Economics. Rae's and Laveleye's books on Contemporary Socialism. Laughlin's History of Bimetallism. Taussig's Tariff History. Three times weekly. Optional in Collegiate Course.

9. Senior Year. History of Education. History of pedagogical theory and practice, with especial reference to the history of education since the time of Rousseau and Pestalozzi. The works of Compayré and Painter, R. H. Quick's Educational Reformers and S. S. Laurie's History of the rise of Universities. Three hours weekly, first half-year. Optional in Collegiate and Classical Courses.

10. Senior Year. History of Commerce and Industry. A study of the history and development of traffic-routes, and of the changes wrought in industry by the inventions of the last century. Cunningham, Yeats and Gibbins. Three hours weekly, second half-year. Optional in Collegiate and Classical Courses.

V. Department of Natural History. Prior to the 7th Grade, there is continuous instruction of a concrete nature in Botany and Zoölogy, as well as in the elements of general science. In such classes the student's powers of observation have been trained by the actual use of objects and of pictures, but after the 6th Grade a more formal study of Biology begins, and leads as rapidly as possible to regular laboratory work.

1. Seventh Grade. Hygiene. An elementary course in physiology, relating especially to the care of the body, and to the ways and means of securing health. Twice weekly.

2. Eighth Grade. Physiology. A careful study of the organs of the body with some comparative investigation. Experiments and dissections. Three hours weekly, first half-year.

3. Junior Year. Collegiate Course. General Biology. Introductory study of cell-structures. Morphology. Laboratory work in Zoölogy and Botany. Microscopic study. Three hours weekly, second half-year.

4. Junior Middle Year. Collegiate Course. Zoölogy. Continuation of former work with larger opportunities for laboratory work. Visits to museums and the seashore. Three hours weekly.

5. Senior Middle Year. Collegiate Course. Advanced Botany. Continuation of former work to include Cryptogamic Botany. Three hours weekly, second half-year.

6. Senior Middle Year. All Courses. Comparative Anatomy and Physiology. An extended course with laboratory work. Special facilities for girls. Three hours weekly. Optional in Classical and Scientific Courses.

8. Senior Middle Year. Classical and Scientific Courses. Botany. Gray's Lessons. Elementary Course. In addition to the text-book and lectures students in the laboratory study, sketch and describe the germination of common seeds, and a series of microscopical preparations illustrating plant histology, the cell, the tissues and tissue systems, the mode of growth, and the products of the plant. Optional. Three hours weekly, second half-year.

9. Senior Year. Collegiate Course. Higher Biology. Special individual work. Sanitary biology, including Bacteriology. Optional. Three hours weekly.

VI. Department of Chemistry.

1. Junior Year. Scientific Course. Elementary Inorganic Chemistry. General principles, nomenclature, properties of the elements, preparation and manipulation of gases, etc. Elementary qualitative analysis, tests for bases and acids, analysis of simple salts, preparation and properties of chemical compounds.

Lectures, recitations and laboratory work, six hours. Required also in Classical and Collegiate Courses of Junior Middle year. Text-book : Remsen's Chemistry. Reference : Roscoe and Schorlemmer's Chemistry, Fowne's Chemistry.

2. Junior Middle Year. Qualitative analysis of liquid and solid mixtures, commercial products, minerals and ores. The whole year is devoted to practical analysis, the preparatory work having been done in the Junior year.

Lectures, recitations and laboratory work, six hours. Text-book : Prescott and Johnson's Qualitative Analysis. Reference: Fresenius's Qualitative Analysis, A. H. Elliott's Qualitative Analysis.

3. Senior Middle Year. Quantitative Analysis. Preparatory course on methods: Analysis of substances of known composition. General course: Analysis of metalliferous ores, minerals, alloys, commercial products, natural and artificial fertilizers, drinking waters, gases, furnace products, etc. Assays of gold and silver ores. Volumetric, colorimetric and electrolytic methods for quantitative analysis.

Lectures, recitations and laboratory work, six hours. Reference : Cairns' Quantitative Analysis, Fresenius's Quantitative Analysis, Thorpe's Quantitative Analysis, Crookes' Select Methods, Blair's Iron and Steel Analysis, Ricketts' Notes on Assaying, Brown's Manual of Assaying, Sutton's Volumetric Analysis, Leffmann and Beam's Water Analysis.

4. Senior Year. Optional. Organic Chemistry, manufacture and properties of organic compounds. Elementary organic analysis. Analysis of milk, butter, sugar, spirits, etc. Advanced quantitative analysis: Special methods.

Lectures, recitations, laboratory work, six hours. Text-book: Remsen's Organic Chemistry. Reference: Prescott's Proximate Analysis, Prescott's Organic Analysis, Crookes' Select Methods, Wiechmann's Sugar Analysis.

Post-Graduate Course. Technical Chemistry. Special work in organic chemistry or analysis.

5. Senior Middle Year. Mineralogy and Blowpipe Analysis. Optional. All Courses. Crystallography, measurement of crystals. Physical and chemical properties of minerals, descriptive mineralogy, blowpipe analysis, determinative mineralogy.

Lectures, recitations and laboratory work, six hours weekly, first half-year. Reference: Dana's Mineralogy, Williams' Elements of Crystallography, Brush's Determinative Mineralogy and Blowpipe, Moses' Tables for Blow-piping, Moses' Tables of Minerals, Plattner's Blowpipe Analysis.

6. Senior Year. Geology. Optional. All Courses. Dynamical Geology: Study of causes which have modified the earth's surface. Structural geology, petrography and petrology, distribution of strata. Historic geology, progress of life upon the earth's surface, paleontology, distribution of fossils, evidences of the antiquity of man.

Lectures, recitations, etc. Three hours weekly, second half-year. Text-book: Le Conte's Geology. Reference: Geikie's Geology, Winchell's Geologies, Dana's Geology.

VII. Department of Physics.—The instruction in Physics extends through the four Collegiate years in the Scientific Course, and in the other courses through the Junior Year. Particular attention is given to the proofs of principles and laws, numerous experimental illustrations and applications are made, and the solution of many practical problems is required. The doctrines of the correlation of forces and the conservation of energy are made the center of the system. The course aims to explain the phenomena of nature, and convey practical information concerning the numberless applications of this science to daily life as well as to discipline, and to train the mind in the exact methods of modern science.

In the laboratory the work is mostly quantitative and demonstrative rather than illustrative. Its purpose is to teach careful manipulation and the methods by which physical determinations are made.

The course is divided as follows:

1. Junior Year. A. Collegiate and Classical Courses. General Physics, an elementary course covering all branches of the subject, principally

recitations and lectures, though some laboratory work will be given. Carhart and Chute's Physics. Recitations, lectures and laboratory, six hours weekly.

B. Scientific Course. Elementary Mechanics, Heat and Electricity. Much more time will be devoted to laboratory work than in course A. Carhart and Chute's Physics. Gage's Laboratory Course. Recitations, lectures and laboratory, six hours weekly.

2. Junior Middle Year. Scientific Course. First half-year. Sound and Light. Text-books as in Junior Year.

Second half-year. Wood's Mechanics. Sabine's Laboratory Course. Additional laboratory exercises from Stewart and Gee's Practical Physics, Vol. I. Recitations, lectures and laboratory, six hours weekly.

3. Senior Middle Year. Scientific Course. Sound and Heat, Deschanel, Vol. II. Sabine's Laboratory Course. Supplementary work from Whiting's Physical Experiments. Recitations, lectures and laboratory, six hours weekly.

4. Senior Year. Scientific Course. Optics and Electricity. Sabine's Laboratory Course. Stewart and Gee's Practical Physics, Vol. II. Pickering's Physical Manipulations. Recitations, lectures and laboratory, six hours weekly.

5. Senior Year. Astronomy, all Courses, optional. Young's Elements. First half-year. Recitations and lectures. Three hours weekly.

The Academy has a useful collection of lantern slides in Astronomy, and it is with these only that an idea of the telescopic features of the heavenly bodies can be given to the class. A telescope with an object glass, at least eight inches in diameter, is much needed. A place for such an instrument was prepared in the Pratt Collegiate building, but it still waits for the generous donor to fill it.

A Post-Graduate Course of one year will be given when required.

VIII. Department of Mathematics.—In the 6th Grade the study of Arithmetic is finished, save for the half-year of Arithmetical Review, two years later.

1. Seventh Grade. Elementary Geometry. G. A. Hill's Elementary Geometry for Beginners. Five times weekly. This subject is introductory to the study of demonstrative geometry. Much attention is given to the accurate construction of geometrical figures, to the calculation of areas and volumes, and to discussions of the relation of the parts of the figures to each other. The student is thoroughly drilled in the use of drawing instruments, and is constantly required to solve problems graphically, and to verify his work arithmetically.

2. Eighth Grade. Algebra. Wells' Academic Algebra. Four hours weekly. The main objects striven for are ability to handle the equation

easily and accurately, and to apply the principles of Algebra to the solution of problems in Physics, Chemistry, Geometry and Arithmetic.

3. Eighth Grade. Arithmetical Review. Three hours weekly, second half-year.

4. Junior Year. Classical and Scientific Courses. Plane and Solid Geometry. Wells' Text-book. Three hours weekly. In this year Geometry is taught primarily as a means for training the reasoning faculties, but the applications of geometric truths to the solution of every-day problems are thoroughly discussed. Algebra is freely used in solutions and graphic methods are employed throughout the course.

5. Junior Scientific. Mechanical Drawing. Anthony's Text-book, Parts I. II. and III. Two hours weekly. During the first term the use of instruments is learned, and practice given in drawing geometric figures and conventional designs. In the second term the student draws projections from models and blackboard sketches.

6. Junior Middle Year. Scientific Course. Algebra. Wells' and Wentworth's Trigonometries. Three hours weekly. In the first term Algebra is reviewed and completed through ratio and proportion, progression, the binomial theorem and logarithms. In the second term the class takes Plane and Spherical Trigonometry with applications to problems for which students obtain their own data with transit and tape. Each problem is carefully analyzed, and drill is given in the use of natural as well as logarithmic functions.

7. Junior Middle Scientific. Mechanical Drawing. Anthony. Two hours weekly. First term, projections with applications to drawing simple parts of machines. Second term, machine and architectural drawing, principles of perspective.

8. Junior Middle Year. Classical Course. Mathematical Review. Three hours weekly. In the first term Algebra is completed through ratio and proportion, progression, the binomial theorem and logarithms. In the second term Arithmetic, Geometry and Algebra are reviewed.

9. Senior Middle Year. Scientific Course. A. Surveying. Carhart. Two hours weekly. The students are made familiar with the Transit, Level Compass, Rod, etc., and their uses. Extended practice is given in the determination of distances and areas, and the running of lines. A complete farm survey, with location of buildings, ponds, brooks, etc., is required, and a triangulation of a waterway is made. The difference of level of two points is determined, and measurements are taken for profile sections. Calculations are made for cuttings and fillings.

B. Mechanical Drawing. One hour weekly. The work is largely plotting from field-notes of work in surveying with elementary topographical drawing.

10. Senior Middle Year. Classical Course. Trigonometry. Wentworth. Three hours weekly. Optional. First term, same work as for

Scientific Course. Second term, applications of Trigonometry to elementary problems in surveying.

11. Senior Year. Scientific Course. Option I. Three hours weekly. First term, Bowser's Analytic Geometry. Second term, Hardy's Differential Calculus. The Analytic Geometry will be treated with reference to the geometrical meaning of the truths learned as well as to the significance of the formulas deduced. The formula will be considered as a means, not as an end in itself. As in other subjects graphics will be freely used. The Calculus will be applied to the solution of simple physical problems.

Option II. A. Machine Design and Construction, including discussion of proportions, calculation of strains, and the making of detailed drawings for a machine.

or B. Architectural Drawing, including elementary work in the design of roof trusses and graphical calculation of strains. The student will make complete plans, perspective and specifications for a house. One course must be chosen.

12. Senior Year. Classical Course. First term, Bowser's Analytic Geometry. Second term, Hardy's Differential Calculus. Three hours weekly. Optional. Work same as for Scientific Course.

IX. Department of Philosophy.

1. Junior Middle Year. Collegiate Course. Elements of Logic, the essentials of correct reasoning. Two hours weekly, first half-year.

2. Junior Middle Year. Collegiate Course. Elementary Ethics and Psychology. An application of principles to practical problems. Two hours weekly, second half-year.

3. Senior Year. Collegiate Course. Psychology, advanced study based upon physiological courses. An introduction to the study of Philosophy. Hill's Psychology. Ribot's Works. Preyer's Infant Mind. Three hours weekly.

X. Department of Æsthetic Studies.—A. ART.

1. Drawing. Practice in drawing is required in all the classes of the Academy from the beginning to the 6th Grade, inclusive. The course includes instruction not only in free-hand drawing from the model, but also in the elements of Mechanical Drawing in connection with the mathematical studies. After the 6th Grade, drawing becomes an optional study, and may be chosen by those who evince a special aptitude for it. In the Collegiate Department Mechanical Drawing becomes a prominent part of the required work in the Scientific Course.

2. Art Department. Special Course. See p. 46.

3. Senior Middle Year. Collegiate Course. Ancient and Mediæval Art. Lectures and recitations abundantly illustrated with lantern views. Topical discussions and reference readings. Subjects of study chosen to illustrate the concurrent courses in History. Twice weekly.

4. **Senior Year.** Collegiate Course. History of the Fine Arts in Modern Times. Continuation of the foregoing and similarly conducted to accompany concurrent study of Modern History. Twice weekly.

B. VOCAL MUSIC.

The study of music is required of all pupils in the Academy. They acquire the ability to read music and receive instruction in voice culture also. The Mason series of music readers is at present used, but it will be replaced next year by a book prepared by the Principal and Mr. Frederic Reddall, the Instructor in Singing. An Adelphi Academy Glee Club, numbering twenty-five voices, has been formed.

C. ELOCUTION.

Below the Collegiate Department, every student receives special instruction and discipline in reading and declamation. In the Collegiate Department the drill is continued, and more formal instruction in the principles and theory of elocution is imparted.

XI. Department of Physical Culture.

Each student receives instruction in Gymnastics or Calisthenics, unless excused on account of physical disability. Below the Eighth Grade, the students of each class perform calisthenic exercises at regular intervals in the calisthenic room under the supervision of the Director.

The calisthenic exercises are arranged with regard to system and progression, so that the weakest individual can exercise without danger of overwork. The exercises are selected for their physiological and physical effects, not for mere show and appearance.

From the Eighth Grade upward there are formed voluntary classes for gymnastic training. At present the boys' classes meet three times a week and the girls' classes twice a week. They are well attended.

Next year, under the new course of study, all students from the Seventh Grade upward will receive systematic instruction in physical training, and voluntary classes will be provided in addition.

Each student before exercising in the gymnasium receives a thorough physical examination; anthropometrical measurements are taken, and the condition of heart and lungs is recorded. With this examination as a basis, a written prescription of exercise is given and followed, which is designed to correct physical defects, to produce symmetrical development and to raise the standard of health. Students who have certain physical defects are allowed extra time in the gymnasium that the defects may be corrected.

Class exercise in gymnastics is systematically and progressively arranged from a knowledge of what is best in each and every system. Beginning with the simplest and easiest movements the exercise increases as the strength increases. The classes are graded according to the strength, skill and ability of the individual, and each class is limited to eight members.

By thus arranging and grading the classes or squads the exact amount of exercise is controlled, and the allowance is in proportion to the strength of the individual.

Each class is in charge of a leader, who is carefully selected and specially trained for the position by the physical director. Exercises are arranged in progressive series in the following order : Chest and Pulley-weights, Horizontal Bar, Waist Bar, Vaulting Bar, Running High Jump, Flying Rings, Trapeze, Swinging Poles, Climbing Poles, Horizontal Ladders and Tumbling.



The Kindergarten Training Class.

The Adelphi training class combines the advantages of practice in the excellent kindergarten of the Academy with the same instruction in art, science, music, physical culture, psychology and history that is offered to the advanced classes of the Collegiate Department. The course extends through two years. Candidates for admission must be at least eighteen years of age, must give evidence of a good preliminary educational training and must satisfy the Director that they are competent to study kindergartening with prospect of success. Students who complete the full course and give satisfactory proof of proficiency and ability will receive a diploma certifying to their attainments.

Course of Study for the Kindergarten Training Class.

1st Year.		2nd Year.	
The First Six Kindergarten Gifts.		The Last Seven Kindergarten Gifts.	
Clay Modeling, Paper Folding, Parquetry, Paper Cutting, Free Cutting, Peas Work,	Kindergarten Occupations.	Mat Weaving, Free Weaving, Slat Interlacing, Paper Interlacing, Sewing, Perforating, Card Modeling, Coloring.	Kindergarten Occupations.
Free-Hand Drawing and Color Work, with lectures on the History of Art.		Free-Hand Drawing and Color Work, with lectures on the History of Art.	
Kindergarten Drawing.		Music—voice culture.	
Music—voice culture.		General Biology and Botany.	
General Biology and Botany.		Physical Culture and Delsarte.	
Physical Culture and Delsarte.		History of Education.	
History of Education.		Study of Froebel's "Education of Man." Mutter und Kose-Lieder. Psychology.	

The Art Department.

“Do not think by learning the nature or structure of a thing, that you can learn to draw it. Anatomy is necessary in the education of surgeons ; botany in that of apothecaries ; and geology in that of miners ; but none of the three will enable you to draw a man, a flower, or a mountain. You can learn to do that only by looking at them ; not by cutting them to pieces.”

“And don't think you can paint a peach, because you know that there's a stone inside ; nor a face, because you know a skull is.”

—JOHN RUSKIN.

The whole of the upper story of the new Collegiate Building is devoted to this department. There is a spacious studio which is furnished with full and half-sized statues, large and small torsos, busts, masks, and reliefs. There is also a large room for classes in drawing and in painting from life. Besides, there are three rooms : for modeling, the making of casts, and for the use of small classes. The professor in charge meets students once a month for criticism in composition and design. A class in sketching meets once a week in the evening. The Life Class meets three evenings a week to draw from the figure.

The students of this department are frequent exhibitors at the annual exhibitions of the National Academy of Design, the Water Color Society of New York, the Pennsylvania Academy of Fine Arts, and the Boston Art Club.

The regular course of study extends through four years ; for admission, applicants will be examined in outline drawing from solids and geometrical figures, in the elements of perspective, in drawing fragment shadows and half-tones from the bust and torso, with and without background. These preparatory subjects are taught in connection with the department, and they usually occupy two years. A course of reading in History and Art is included in the regular work. Instruction is given in the preparation of the materials for painting in oils and in water colors, and in the special features of drawing in charcoal and in crayon, in pencil, and in pen and ink. Occasional examinations are set upon the work of the studio and upon the required reading. For the last two years there is practice

in landscape painting, and for the last year, in drawing and painting portraits from life. Botany and Anatomy are taught with special reference to their connection with art.

Students who complete the full course and pass satisfactory examinations will receive a diploma graduating them from the department and certifying the extent and quality of their attainment. The preparatory studies may be omitted if the progress required for more advanced work has been attained, and in all cases a fit classification will be made. Special students will be received as heretofore.

Special Course in Art. FIRST YEAR. Drawing from the antique the full-length figure. Social History and Ancient History ; Gayley's and Guerber's Mythologies ; German and French ; Literature optional.

SECOND YEAR. *First Half-Year* : Drawing from Still Life. Mediæval History, with lectures on Ancient and Mediæval Art ; Comparative Anatomy and Physiology ; German, French and Literature optional. *Second Half-Year* : Drawing of the head and figure from life. Comparative Anatomy and Physiology ; Mediæval History with illustrated lectures, as before ; Structural and Descriptive Botany ; German and French optional.

THIRD YEAR. Drawing and painting from life. Modern History with illustrated lectures on the history of Fine Arts in Modern Times ; German and French optional.

FOURTH YEAR. Painting from life the head and full-length figure. History and Elements of Philosophy and Psychology ; Philosophy and Criticism of Art ; History of Sculpture and Painting.

Equipment of The Adelphi Academy.

I. **The Buildings.**—The group of three buildings now occupied by the Adelphi Academy fills the entire end of the block between Lafayette Avenue and Clifton Place, 200 x 150 feet. The central building is an assembly hall, 50 x 72 feet, with sittings for

about a thousand persons. In the basement extending across the whole block is the gymnasium, occupying three large rooms and covering a space 200 x 50 feet.

The ventilation of all the buildings is complete and perfect. A large fan is placed in the upper part of each building, discharging air from a reservoir which receives ventilating flues from all the rooms. These fans are driven by electric motors from a dynamo connected with a forty horse-power engine. By this means the air in both buildings can be completely renewed at least once every half-hour in the most unfavorable weather.

The principal room in the gymnasium opens directly into the outer air by means of large skylights in the roof, so that these rooms are especially well lighted and ventilated.

The buildings are conveniently reached by the Brooklyn Union Elevated R. R. (DeKalb or Greene Avenue Stations), or by the Greene, DeKalb, Franklin, Vanderbilt and Fulton electric cars.

II. The Library and Reading Room.—The Library of the Academy now contains more than five thousand five hundred volumes, and it is rapidly increasing in size. Through the generosity of the Alumni Association an unusually large sum of money has been applied this year to the purchase of books. The library is well supplied with the most useful works of reference, encyclopædias, dictionaries and atlases. The reading tables are well stocked with the best papers and magazines for the use of the members of the Academy. The librarian is in constant attendance and there is a complete card catalog. Both library and reading room are at the service of the students in all the departments of the Academy.

Among the principal periodicals on file in the reading room are the following :

The American Agriculturist, Anthony's Photographic Bulletin, The Atlantic Monthly, The Book Buyer, The Century Magazine, Child Garden, The Congressional Record, The Contemporary Review, The Cosmopolitan, Education, The Educational Review, The Fortnightly Review, The Forum, The Geographical Journal, Harper's Magazine, Harper's Weekly, Harvard Graduates' Magazine, The Illustrated London News The Kindergarten Magazine, The Leisure Hour, The Magazine of Art, The Nineteenth Century, Outing, The Popular Science Monthly, Power, The Review of Reviews, The

School Review, Science, The Scientific American and Supplement, Scribner's Magazine, The Yale Review, The Youth's Companion.

III. The Gymnasium and Playing-Field.—The gymnasium is in charge of a Director who is a physician, and of a lady assistant who is especially charged with the conduct of the girls' classes. The calisthenium is a spacious room provided with a piano and with the usual equipment of wands, clubs and bells. The remaining space besides dressing-rooms, bath-room and offices, contains two large rooms well supplied with all modern apparatus. In these rooms are found a hand-ball court and basket-ball field; chest weights, back and loin attachments, intercostal machines, traveling parallels and a quarter circle; a set of Swedish apparatus and of climbing apparatus; twelve-pound shots and hammers with vaulting apparatus; a full equipment for anthropometric work and all the best appliances for gymnastic exercises, including rings, bars, horses, parallels, ladders, mattresses and trapeze.

The playing-field, which is now in the possession of the Academy, is situated near Classon Avenue, between Park Place and Prospect Place. It is near the Franklin Avenue, Bergen Street and Atlantic Avenue lines of cars, and is about twelve minutes' walk from the Academy. Its dimensions are such as to afford sufficient room for all the usual games. Inasmuch as the field has but recently come under the control of the Academy it is still in need of equipment, and the hope is that the friends of the Academy will be glad to assist in this most indispensable work.

IV. Equipment of the Kindergarten.—The rooms for this department are all well lighted, conveniently situated upon the first floor of the Academic Building, and very near to the Lafayette Avenue and St. James Place entrances. The rooms are well supplied with cabinets in which the materials of work are stored and the handiwork of the pupils displayed. Every necessary aid is supplied for the games and music. Provision is made for the observation of growing plants and of living animals.

V. Equipment of the Academic Department.—During the twenty-five years of the existence of the Academy, a very considerable supply of materials to illustrate the teaching of History, Geography

Natural Science and Number has been accumulated. By the generosity of the Board of Trustees this supply has been materially increased during the current year. The best physical and political maps and a great number of pictures and charts for use in the study of Natural History, Geography and political and social History have been imported from Germany and France. On Founders' Day, February 23d, 1894, this new collection was displayed, filling six rooms of the Academy. It is intended to place them on exhibition again during Commencement week in June. The principal characteristics of this new equipment may be inferred from the following list :

To Illustrate Botanical Study :

1. Engleder's Series of charts of plants, forty-eight in number, $23\frac{1}{4} \times 31\frac{3}{4}$ inches, and including all principal varieties, beautifully colored and completely illustrated.
2. The Gerold Series of tree and plant charts, about one hundred in number, $25 \times 32\frac{3}{4}$ inches, executed in the same manner as the foregoing.

To Illustrate Geography and History :

1. Hirt's Geographische Bilder and Historische Bilder, about two hundred in number, $13\frac{1}{2} \times 18\frac{1}{4}$ inches, illustrating appearance, costumes, occupations, and architecture of all peoples on earth, with pictures of characteristic landscapes in every land and of the fauna and flora of every land.
2. Schneider's Typen-Atlas, about sixteen in number, same plan as former.
3. Hölzel's Landscapes, pictures, thirty-four in number, $23\frac{1}{2} \times 31\frac{1}{4}$ inches, finely colored, giving photographic representations of most famous typical landscapes in the world.
4. Lehmann-Leutermann's Ethnographical Pictures, six in number, $26 \times 34\frac{3}{4}$ inches.
5. Langl's Historical Pictures, sixty-two in number, $22\frac{1}{2} \times 30$ inches, beautifully colored, showing most famous ruins, cathedrals, and buildings in the world.
6. Lehmann's Historical Pictures of Civilization, twelve in number, $26 \times 34\frac{3}{4}$ inches, illustrating life in each century of the mediæval era ; colored.
7. Lohmeyer's Historical Pictures, twelve in number, $31 \times 38\frac{1}{4}$ inches, illustrating life, and especially military life, in ancient times ; colored.
8. The Kiepert Series of physical maps of countries, the Sydow-Habenicht series of physical maps of continents, the Kiepert—Bretschneider series of historical maps of Europe, and many political maps of countries.

To Illustrate Physiology :

1. A set of Rammé papier-maché models to illustrate the various organs of the body.
2. White's physiological manikin, eighty-nine charts.

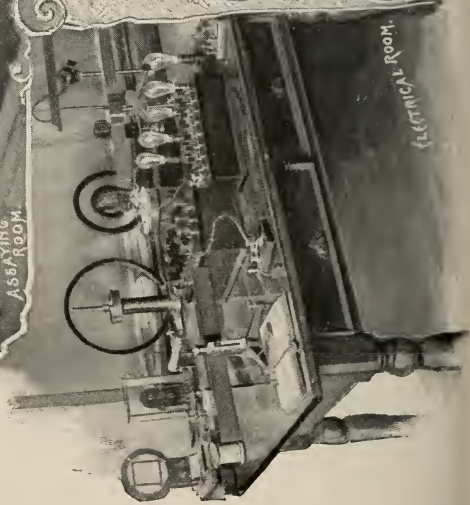
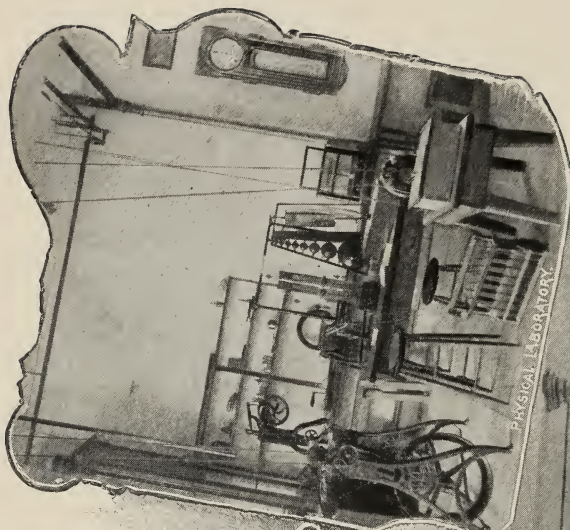
To Illustrate the Useful Products of The Earth :

1. Forty-seven charts, each displaying specimens and illustrating processes of growth and manufacture of some useful product, as cotton, sugar, coal, iron, etc.
2. Goering-Schmidt's Botanical Pictures, seven in number, $26 \times 34\frac{1}{2}$ inches, showing growth and processes of caring for coffee, tea, cacao, cotton, tobacco, pepper and india-rubber, sugar-cane.

To Illustrate Zoölogy :

1. Engleder's Zoölogical Pictures, forty-eight in number, 35×40 inches.
2. Gerold's Zoölogical Series, twenty-three in number, $25 \times 32\frac{1}{2}$ inches.
3. Froehlich's Animal Pictures, sixteen in number, 27×36 inches.

VI. The Chemical Lecture Room and Laboratories.—The *Chemical Department* occupies nearly all of the fourth floor of the Collegiate Building and in completeness of equipment ranks with the best among the higher educational institutions of the State. The *Lecture Room* is large and well lighted, and has seats for eighty students. It is provided with a complete system of electric lighting and means for using the electric current for many lecture experiments. One of the important features of the equipment is a specially constructed electric projecting lantern of 2,000 candle-power, with attachments for horizontal, vertical and side projection and special apparatus for the projection of microscopic objects. Adjoining the lecture room is the *professor's office* and cabinets for storing the apparatus used in the lectures as well as the more delicate and accurate analytical apparatus, among which may be mentioned, complete apparatus for the rapid analysis of gases, graduated apparatus for volumetric analysis, platinum and silver ware for quantitative analysis, and special glassware for organic analysis. The *Main Laboratory* provides separate desks for seventy-two students, each desk supplied with gas and running water and a full set of chemicals and apparatus for experimental work. All experiments involving the production of disagreeable gases or fumes are performed in closets directly connected with the main ventilating flues of the building, and in addition to this, each



laboratory is ventilated by independent electric fans. Two small dark rooms equipped for spectroscopic analysis form a part of the main laboratory. The *Quantitative Laboratory* provides accommodation for thirty-two students. Its general equipment is similar to that of the main laboratory. The *Assay Laboratory* provides working desks for twenty-four students, and contains complete apparatus for the mechanical preparation of ores for assay. There are two muffle furnaces, two crucible furnaces and one cupelling furnace, all heated by gas. Two automatic stills in this room supply the distilled water for use in all the laboratories. The *Weighing Room* contains three Becker analytical balances, one Sartorius short-beam balance for heavy apparatus in organic analysis, one Becker short-beam assay balance, one ore balance, one bullion balance and one Westphal specific gravity balance, a complete equipment for all kinds of exact chemical work. The *Blowpipe Laboratory* contains the mineralogical collections, which are always open to the students for examination and comparison. The working tables are arranged for twenty-four students. A supply room contains a store of extra apparatus from which the students can obtain all the material they require in their experimental work. This room is arranged for use as a photographic dark room, with complete apparatus for making lantern slides, including a fine copying, enlarging and reducing camera.

VII. The Physical Laboratories. The laboratories for Physics are well arranged for their special use. The equipment is already large. A clock, beating seconds, gives electrical signals in all the rooms. There is a bench with tools both for wood and metal work, and an engine lathe driven by an electric motor. For accurate measurement there are vernier and micrometer gauges, a spherometer, good balances and a Koenig's tuning-fork chronograph. There are also a large air pump with accessories, an Atwood's machine, and much apparatus to demonstrate the laws of force and motion. There is a complete set of meteorological instruments with which a daily record is kept.

For heat measurements there are calorimeters, thermometers, and a thermopile. The sound apparatus includes sonometers, a set of Koenig's forks, and apparatus for demonstrating the timbre of

sounds by manometric flames, organ pipes, and tubes for measuring wave length.

In optics the equipment includes a Browning spectroscope with two prisms, a Rutherford diffraction grating, a spectrometer just imported from Germany, a Bunsen photometer complete with candle balance, wet meter Methven screen and standard Argand gas burner, apparatus for producing the spectra of metals by the electric arc, Nicol's prisms and apparatus for illustrating the polarization of light, compound microscopes and facilities for measuring the focal lengths of lenses and mirrors.

Among the electrical instruments may be enumerated batteries of various types, a reflecting Thomson's galvanometer of six thousand ohms, a Wheatstone's bridge of twenty-one thousand ohms, various resistance boxes, a D'Arsonval horizontal magnet galvanometer with both ordinary and ballistic coils, several forms of astatic needle and tangent galvanometers, an Elliott condenser, Mascart electrometer, Weston voltmeter and ammeter, Carhart-Clark cell, large Ruhmkorff coil, Toepler machine, besides other forms of galvanometers and bridges, and much general apparatus. The apparatus provides for practicing the various modes of measuring current, potential and resistance.

There is an electric lighting and power plant, consisting of a 40 horse-power engine, a 250-light U. S. direct current dynamo, and three U. S. motors. During the hours of session these furnish current in the lecture-room and laboratories, and drive the ventilating fans. At other times connection is had with the Edison 3-wire system, giving a constant potential of 230 volts.

The department is provided with a good photographic outfit, a $6\frac{1}{2} \times 8\frac{1}{2}$ camera with a Dallmeyer lens, a 10×12 copying camera, and a dark room well ventilated and lighted by the electric light, equipped with every necessary appliance.

The lecture-room, with a seating capacity of one hundred, is on the south side of the building, and has all the approved arrangements for its special use. It is darkened by shutters sliding from the walls. The sunlight, the calcium or the electric light may be used for projection or experiment.

The lantern is provided with vertical attachment, polarizing elbow and microscope, and there is a large set of objects for projection. Colt's electric arc lamp has recently been added to it. Wires connect it with the lecture table so that electrical experiments performed there may be projected on the screen. Several thousand

lantern slides are used here each year in illustrating geography and history to the Academic classes studying those subjects.

The cabinet of apparatus both for lecture and laboratory use is enlarged each year. Among recent additions are a D'Arsonval galvanometer, a spectrometer, an electric lamp for the lantern, calorimeters, a sonometer, vernier gauges, balances, a tangent galvanometer, an astatic needle galvanometer, a Wheatstone's wire bridge, a deflection magnetometer, etc., and apparatus for measuring focal length and magnifying power of lenses and mirrors.

VIII. The Biological Laboratory and Collections for use in teaching Natural History. The Biological Laboratory is to be equipped during the coming season. It will occupy rooms adjacent to the Chemical Laboratory, and will be provided with whatever is necessary for the work of the next year. The Academy is already provided with the facilities for botanical study, including dissecting and compound microscopes, a herbarium, mounting apparatus and various reagents.

For the use of classes in Zoölogy and Physiology there is a fine collection of type vertebrate skeletons, prepared by Prof. H. A. Ward, of Rochester ; a human skull with the bones all separated ; two human skeletons, one mounted and one disarticulated ; plaster and papier-maché models of different parts of the human body ; charts and manikins.

The Geological collection includes the representative fossils of all the formations, and also large collections of the different kinds of rocks.

The Mineralogical collection contains about two thousand specimens, including examples of all the common minerals and ores. A small set of models of crystals forms a part of this collection.

IX. The Mathematical Laboratory.—The equipment for surveying includes a complete Engineer's Transit (Buff & Berger), a Surveyor's Transit (Pike & Sons), a Y Level (Heller & Brightly), New York and Boston rods, self-reading rod for telemeter work and the usual pins, tapes, flags, ranging poles, etc. The mechanical drawing-room is large and well-lighted and fully supplied with cabinets, shelves and the necessary desk room. Fifty students can

be accommodated. There is a large collection of geometric models and machine types. There are many large photographs of locomotive and stationary engines, besides numerous blue prints and detail drawings of a large array of machinery.

X. **The Studio.** See Art Department, *ante*. p. 45.

Administration.

I. **Attendance, Excuses and Discipline.**—In order to form systematic business-like habits and to make the most of the time devoted to education, pupils are required to be regular and punctual in attendance and in all school duties. A teacher cannot be responsible for the progress or thoroughness of those who allow trifling causes to interfere with their attendance. It is also particularly desirable that the pupil should not lose time during the first few weeks of the school year and at its end. A fortnight more of vacation in Autumn cannot often be worth the risk of falling behind in studies.

Absence, tardiness or imperfect lessons can be excused only upon a written statement from the parent or guardian, showing the existence of illness or of some other imperative necessity. Such excuses should be presented at once by the pupil on entering the schoolroom; otherwise notice of the absence or tardiness will be sent to the parent or guardian.

There is no system of demerit marks used as penalties. Students who persist in wrong conduct, or who fail in diligence, will be carefully and kindly warned of the consequences of wrong-doing or of indolence. Parents will also be notified of such deficiencies by the periodical reports or by special information. Students who are disobedient or wilfully inattentive after warnings will be removed from the Academy. It is hoped that parents will become acquainted with the teachers who have charge of their children. At the close of each daily session there is opportunity for conference between

parents and teachers, but such interviews should not occur during the school session. Time is allowed in every class for some study in school hours. Teachers will remain after the close of a day's session for the purpose of aiding those who need help. Members of the Collegiate and Academic Departments are expected to study at home daily from one to three hours, according to age and capacity. Except in extraordinary cases, every student is expected to pursue a regular course of study.

II. Reports, Marks and Promotions.—Below the Junior Middle Year of the Academy carefully prepared reports are made monthly to the parents, showing the scholarship, punctuality and conduct of each pupil. Parents are requested to examine these reports regularly, sign them promptly, and return them to the Academy. A summary of these reports is kept as a permanent record. From the beginning of the Junior Middle Year onward, reports are not sent home unless the attention of the parent is particularly desired.

The monthly reports give evidence of scholarship as shown not by formal examinations, but by oral or written tests selected at frequent intervals by the teacher without the foreknowledge of the pupil. Formal examinations are held only when a subject is finished or at the end of a year. The teacher uses no marking-book in recitation and no numerical marks are placed upon the reports. It is especially desired that students shall not study merely to get marks or to make a favorable comparison of percentages. Letters instead of figures are therefore used on the reports, in the belief that they allow more room for a teacher's judgment, afford an equally satisfactory record, and operate less as an unhealthy stimulus.

The system of letter-records now in use is as follows :

H (*passed with honor*) signifies that the record of the student is especially good.

C (*passed with credit*) signifies that the record of the student is very satisfactory.

P (*passed*) signifies that the record of the student is clear. This rank, as a rule, admits the student to any studies dependent on the subject in question.

F (*failed to pass*) signifies that the progress of the student is not at all satisfactory. If incurred at a final examination, this record implies that the student is conditioned, and must at the appointed time make his record clear before he can continue in the subject, or in a dependent study.

FF (*failed completely*) signifies that the student must drop or repeat the subject. Absence from an examination, if unexplained, or failure to make up a condition at the time appointed, is equivalent to a record of FF.

Averages of the monthly records are combined with the results of the final examinations in estimating the comparative standing of the student. Final examinations are set as a beneficial exercise for the student rather than as a means of determining rank. In no case is the rank of a student fixed solely by a mechanical process of calculation.

Students who fail to do satisfactory work may, at the discretion of the Faculty, be required to discontinue a study at any time, to make up deficiencies after the close of the school year if possible, and to present themselves for "Condition Examinations" in September. The promotion of each student from one year to another is determined by the Faculty of the department or grade to which the student belongs.

Honors, Scholarships and Prizes.—Students in the Collegiate Department and in the Academic Department, pursuing a regular course of study, who have been present through an entire year, with a record of highly creditable work, and whose conduct has been satisfactory, will receive honorary certificates at the close of the year.

The "Charles Pratt Scholarship," the "Hayden W. Wheeler Scholarship," the "E. F. de Selding Scholarship," and the "W. S. Woodward Scholarship," are given annually to such fit persons as may be nominated by Charles M. Pratt, Hayden W. Wheeler, E. F. de Selding and Mrs. W. S. Woodward respectively.

The "Dollner Scholarship" and five other Scholarships are given annually to such fit persons as may be approved by the Trustees.

Candidates for said scholarships must have attained the age of fourteen years, or, if under fourteen years of age, must prove, upon examination by the Superintendent of the Academic Department, well qualified to enter the Eighth Academic Grade of the Adelphi Academy.

Scholarships will be renewed to those only who attain a high standard in their work.

By gift from Charles Pratt, the income of \$1,000 is applied annually to prizes for improvement in penmanship. These prizes are open to students on full course in all departments.

Mr. Pratt established another fund to encourage good reading and elocution. The income is applied to awards for those who have made the most improvement, and also to the providing of new matter for supplementary reading.



Books Recommended and Adopted for Use in the Adelphi Academy.

ANCIENT LANGUAGES.—Allen & Greenough's and Harkness' Latin Grammars, Scudder's Gradatim, Lindsay's Nepos, Rolfe's Viri Romae, Collar & Daniell's Beginner's Latin Book, Herbermann's Sallust, Harper & Tolman's Cæsar (Adelphi Edition), Harper & Miller's Vergil's Aeneid (Adelphi Edition), Allen & Greenough's Ovid, Kelsey's Select Orations and Letters of Cicero, Boise & Pattengill's Greek Lessons, Allen's Hadley's Greek Grammar, Harper & Wallace's Xenophon's Anabasis (Adelphi Edition), Seymour's Homer's Iliad, Manatt's Xenophon's Hellenica, Lewis's Latin Dictionary, Liddell & Scott's Greek Dictionary.

MODERN LANGUAGES.—Worman's French Grammar, Classical French Reader, Daudet's Contes Choisis, Selections from Heath's "Modern Language Series," De Rougemont's La France and Manuel de Littérature Française, French Drill Books A. and B., Anecdotes Nouvelles, French Pronunciation (Schoenhof), En Wagon, La Lettre Chargée, Whitney's Introductory French Reader and various editions of modern works as published by W. R. Jenkins, D. C. Heath and others. German Grammars: Collar's Eisenbach, Stein's German exercises, Joynes-Meissner's German Grammar, Jagemann's German Syntax; German Classics: Lessing's Minna von Barnhelm, Schiller's Wilhelm Tell, Jungfrau, Marie Stuart, Neffe als Onkel, Goethe's Hermann and Dorothea, Iphigenie, Egmont. German Prose: Im Zwielficht, Andersen's Märchen, Aus Meiner Welt, Träumereien and other texts of Heath's Modern Language Series. Stern's Studien und Plaudereien, First Series. Cassell's French-English, Whitney's German Dictionary.

PHYSICAL SCIENCES.—Carhart and Chute's Elements of Physics, Prescott's First Book in Qualitative Chemistry, Prescott and Johnson's Qualitative Analysis, Fresenius's Quantitative Analysis, Remsen's Chemistry, Remsen's Organic Chemistry, Bloxam's Metallurgy, Young's Elements of Astronomy, Wood's Elementary Mechanics, Slingo and Brooker's Electrical Engineering, Cairns' Quantitative Analysis.

NATURAL SCIENCES.—Hutchinson's Physiology, Martin's Human Body, Gray's School and Field Book of Botany, Packard's Zoölogy (*brief course*), Brush's Determinative Mineralogy, Le Conte's Geology, Dana's Mineralogy, Deschanel's Natural Philosophy, Sabine's Laboratory Course.

GEOGRAPHY.—Longmans' New School Atlas, Kiepert Series of Physical Wall Maps, Sydow-Habenicht Series of Physical Wall Maps, Mitchell's Outline Maps, Johnston's Political Wall Maps, Chisholm and

Leete's Geography, King's Geographical Readers, Dunton's Our World and its People.

MATHEMATICS.—Colburn's Mental Arithmetic, Thomson's Complete Graded Arithmetic, Prince's Arithmetic by Grades, Wells' Algebra, Perrin's Drill Book in Algebra, Wells' Higher Algebra, Packard's Bookkeeping, Hill's Lessons in Geometry, Wells' Geometry, Wentworth's Trigonometry, Wells' Logarithmic Tables, Church's Descriptive Geometry, Davies' New Surveying, Anthony's Mechanical Drawing.

HISTORY AND POLITICAL ECONOMY.—Sheldon-Barnes' American History, Montgomery's American History, Hart's Epoch Maps illustrating United States History, Higginson and Channing's English History for American Readers, Epoch Series of Modern History, Colbeck's Public School Historical Atlas, Myers' Series of Historical Text-books, Fiske's Civil Government, Johnston's American Politics, Gide's Political Economy, Ely's Outlines of Political Economy.

PHILOSOPHY.—Hill's Psychology, Robinson's Principles and Practice of Morality, Hill's Jevons' Logic, The International Education Series.

MUSIC.—The National Music course (Ginn & Co.), The Coda (Ginn), Horton's Music Copy Book, No. 2 (Daniel Slote and Co.), Wilhem's Method of Teaching Vocal Classes (Oliver Ditson Co.).

Books for use in the study of English, as reading-books, text-books, and materials for the study of English grammar and literature.

Academic Department. **FIRST GRADE.** *General Literature.*—1. The New Script Primer (Potter & Putnam, N. Y.). 2. Longmans' Infant Fairy Readers, viz., Snowdrop and other stories, Fairy Tale of a Fox, Dog, Cat, and Magpie, Jack and the Bean Stalk and Brother and Sister. 3. Æsop's Fables (Ed. Pub. Co.). 4. Appleton's First Reader. 5. Heart of Oak Books, No. 1 (Heath). 6. Reed's and Lovell's Spellers.

History, Geography and Science.—1. Stories by Teacher. 2. Object Lessons. 3. Julia M. Wright's Seaside and Wayside, No. 1 (Heath).

SECOND GRADE. *General Literature.*—1. Longmans' Fairy Tale Books, viz., The Story of Whittington, The Sleeping Beauty, Little Red Riding Hood, Jack, the Giant Killer, and Cinderella. 2. Scudder's Fables and Folk Stories (H. M. & Co.). 3. Grimm's Fairy Tales (Ed. Pub. Co.). 4. Carroll's Alice in Wonderland.

History, Oral Instruction.—1. Pratt's American History Stories, Vols. I.-III. (Ed. Pub. Co.). 2. Pratt's Stories of Massachusetts. 3. Pratt's Story of Columbus. 4. Eggleston's First Book in American History (A. B. C.).

Geography.—1. Dunton's The World and Its People, Vol. I. (Silver, Burdett & Co.). 2. King's Geographical Readers, Vol. I. (Lee & Shepard). 3. Hall's Our World Reader, No. 1 (Ginn). 4. Andrews' Seven Little Sisters (L. & S.).

Science.—1. Julia M. Wright's Seaside and Wayside, No. 1 (Heath). 2. Bass' Nature Stories for Young Readers (Heath). 3. Johonnot's Book of Cats and Dogs (A. B. C.). 4. Buckley's Fairyland of Science (Appleton).

THIRD GRADE. *General Literature*.—1. Hyde's First Book in English (Heath). 2. Andersen's Fairy Stories, Riverside Literature Series (H. M. & Co.). 3. Kingsley's Water Babies (Ginn's Classics). 4. Heart of Oak Books, Vol. 2 (Heath). 5. Carroll's Through the Looking-glass.

History.—1. Pratt's American History Stories, Vol. II. and III. (Ed. Pub. Co.). 2. Kingsley's Greek Heroes. 3. York Powell's Old Stories from British History (Longmans). 4. Church's Two Thousand Years Ago (Scribner or Dodd & Mead). 5. Century Historical Readers, Simple Stories; Parts I. and II. (Blackie & Son).

Geography.—1. Andrews' Seven Little Sisters. 2. Andrews' Each and All. 3. Andrews' Ten Boys. 4. Dunton's The World and its People, Vols. II. and III. 5. King's Geographical Readers, Vol. II.

Science.—1. Seaside and Wayside, No. 2. 2. Johonnot's Friends in Feathers and Fur. 3. Johonnot's Neighbors with Wings and Fins. 4. Andrews' The Stories Mother Nature told Her Children.

FOURTH GRADE. *General Literature*.—1. Hyde's Practical Lessons, No. 2. 2. Heart of Oak Books, Vol. II. (Heath). 3. Hawthorne's Wonder Book, Parts I. and II. (R. L. Series, H. M. & Co.). 4. Hawthorne's Little Daffy-downdilly (R. L. Series). 5. Ruskin: The King of the Golden River (Ginn).

History.—1. Pratt's American History Stories, Vol. IV. 2. Pratt's The Great West. 3. Hawthorne's Grandfather's Chair (R. L. Series). 5. Pratt's Pizarro and Cortez and Montezuma. 6. Johonnot's Stories of Our Country. 7. Woodman's Boys and Girls of the Revolution. 8. Morris' Historical Tales, America (Lippincott). 9. T. W. Higginson's Young Folks' History of the United States (Longmans).

Geography.—1. King's Geographical Readers, Vols. II., III. and IV. 2. Dunton's The World and its People, Our American Neighbors, Vol. IV. 3. T. W. Higginson's Young Folks' Book of American Explorers (Longmans). 4. Schwatka's Children of the Cold (Cassell).

Science.—1. Wright's Seaside and Wayside, No. 3. 2. Frye's Brooks and Brook Basins (Ginn). 3. Johonnot's Flyers, Creepers and Swimmers.

FIFTH GRADE. *General Literature*.—1. Hyde's Advanced Lessons in English, No. 3. 2. Hawthorne's Tanglewood Tales (R. L. Series, H. M. & Co.). 3. Heart of Oak Books, Vol. III. 4. Rolfe's Fairy Tales (Harper). 5. Litchfield's Nine Worlds (Ginn). 6. Dickens' Christmas Carol (R. L. Series, H. M. & Co.). 7. Macaulay's Lays of Ancient Rome (Longmans).

History.—1. Hanson's Old Greek Stories (T. Nelson & Sons). 2. Hanson's Stories of Old Rome (T. Nelson & Sons). 3. Johonnot's Stories of other Lands. 4. York Powell's Sketches from British History, for Standard IV. 5. Century Historical Readers, Nos. 5, 6 and 7. 6. Morris' Historical Tales, Germany (Lippincott).

Geography.—1. Pratt's People and Places, Stories of Northern Europe, of India and of China. 2. Hale's Stories of Discovery (Roberts Bros.). 3. Dunton's The World and its People, Modern Europe, Vol. V. 4. Watson's Child Life in Italy.

Science.—1. Chase & Clow: Stories of Industry, 2 vols. (Ed. Pub. Co.). 2. Shaler's Story of Our Continent (Ginn). 3. Kingsley's Madam How and Lady Why (Macm.). 4. Lockwood's Animal Memoirs, Part I. (A. B. Co.). 5. Johonnot's Neighbors with claws and hoofs (A. B. Co.).

SIXTH GRADE. *General Literature.*—1. De Foe's Robinson Crusoe, by Parley (Effingham, Maynard & Co.). 2. Longfellow's Poems of Places, Africa, Asia (H. M. & Co.). 3. Heart of Oak Books, Vol. IV. (Heath). 4. Kingsley's Hereward the Wake (Macm.). 5. Lanier's Boys' King Arthur, and Boys' Froissart. 6. Hanson's Stories of the Days of King Arthur (T. Nelson & Sons). 7. Rolfe's Scott's Tales of Chivalry (Harper). 8. Blackmore's Lorna Doone.

History.—1. S. R. Gardiner's Historical Biographies (Longmans). 2. Keary's The Heroes of Asgard (Macm.). 3. Morris's Historical Tales, England. 4. Morris's Historical Tales, France. 5. Rolfe's Tales from English History. 6. Rolfe's Tales from Scottish History (Harper). 7. Lang's True Story Book (Longmans).

Geography.—1. Pratt's People and Places, Stories of Australia. 2. Dunton's The World and its People, Asia, Vol. VI. 3. Great Cities of the Modern World (Routledge). 4. Half-hours in the Far East. 5. Mrs. A. H. Leonowen's Our Asiatic Cousins (D. Lothrop & Co.).

Science.—1. Seaside and Wayside, No. 4 (Heath). 2. Lockwood's Animal Memoirs, Part I. 3. Burroughs' Birds and Bees and Sharp Eyes and Other Papers (R. L. Series, H. M. & Co.).

SEVENTH GRADE. *General Literature.*—1. Longfellow's Courtship of Miles Standish; Evangeline (R. L. Series, H. M. & Co.). 2. Warner's A-Hunting of the Deer and other Essays (R. L. Series, H. M. & Co.). 3. English Classic Series: Webster's Reply to Hayne, Mrs. Browning's Selected Poems, Tennyson's Elaine (Effingham, Maynard & Co.). 4. Wentworth's Selections from Irving (Allyn & Bacon). 5. Hawthorne's House of the Seven Gables (H. M. & Co.). 6. Milton's L'Allegro and Il Penseroso.

History.—1. Tiffany's Pilgrims and Puritans, and From Colony to Commonwealth. 3. Coffin's Old Times in the Colonies, Boys of '76, Boys of '61, and Days and Nights on the Battlefield. 4. Cook's Stories of the Old Dominion (Harper). 5. Drake's Making of New England, Making of Virginia and the Middle Colonies, Making of the Great West (Scribner). 6. Kellogg's Good Old Times (Lee & Shepard).

Science.—1. Lockwood's Animal Memoirs, Part II. 2. Cooper's Animal Life in the Sea and on the Land (A. B. Co.). 3. Blaisdell's How to Keep Well (Ginn).

EIGHTH GRADE. *General Literature*.—Longfellow's Tales of a Wayside Inn (H. M. & Co.). Whittier's Snow Bound and Songs of Labor (R. L. Series, H. M. & Co.). Rolfe's Scott's Lady of the Lake (Ticknor & Co.). Hughes' Tom Brown at Rugby (Ginn). Martineau's Peasant & Prince (Ginn). Heart of Oak Books, No. 5 (Heath). English Classic Series: Rab and his Friends, Scenes from Adam Bede (Effingham, Maynard & Co.). Rolfe's Shakespeare's Merchant of Venice. Church's Three Greek Children (Putnam). Ebers' Uarda. Plutarch's Lives (Ginn).

Collegiate Department. Lockwood's Lessons in English, Genung's Outlines of Rhetoric, A. S. Hill's Principles of Rhetoric, Williams' Composition and Rhetoric, Lounsbury's English Language, Sweet's Anglo-Saxon Primer, Skeat's Chaucer, Rolfe's Edition of Shakespeare's Plays, Hudson's Wordsworth, Thurber's Selected Essays of Macaulay and Addison, Gayley's Classic Myths (Ginn), and, in general, the volumes published in the Clarendon Press English Classic Series, Cassell's National Library, Ginn's Classic Series, The Riverside Literature Series (Houghton, Mifflin & Co.), Maynard's English Classics, the Students' Series of English Classics (Leech, Shewell & Sanborn), and other similar issues.

Students' Organizations in the Adelphi Academy.

1. THE ADELPHI LITERARY ASSOCIATION.—*Officers*: President, O. Paul Humpstone, '94; Vice-President, M. Clyde McCarroll, '95; Secretary, G. Howard Butler, '95; Treasurers, Ethel S. Stockwell, '97, and Henry Sillcocks, '94. Annual exhibition, Saturday, March 31st, 1894, in the Academy Hall, at 8 P. M.

2. THE ADELPHI DEBATING SOCIETY.—*Officers*: President, Walter D. Birdsall, '96; Vice-President, Rebecca L. Hooper, '96; Secretary, Frederick W. Gravenhorst, '96.

3. THE ADELPHI ACADEMY GLEE CLUB.—*First Sopranos*: Misses Susie B. Taylor, '96, Helen Atwood, '97, Elizabeth N. Hall, '97, Mabel A. Knudson, '97, Beulah B. Munson, '97, M. Louise Munson, '97, Edna Story, '97, Edna H. Eldredge, '98, Marion H. Bray, '00, Florence T. Homer, '00. *Contraltos*: Misses Bessee Duncan, '94, Rebecca L. Hooper, '95, Margaret A. Patterson, '97, Ida P. Towner, '97, Grace L. Burtis, '98, Katharine R. Phipps, '98. *Second Sopranos*: Misses Emily C. Seaman, '96, Mary Louise Bancker, '97, Mabel E. Munson, '97, Alice M. E. Pfizer, '97, Harriet T. Richter, '97, M. Marion Benedict, '98, Jessie D. Burr, '98, Clara D. Driggs, '98, Isabelle Lockwood, '98, Grace Seaman, '98, Bessie S. Butler, '99. *Baritones*: Messrs. O. Paul Humpstone, '94, John R. Pratt, '94, Alvan A. Tenney, '94, Jesse Watson, Jr., '94, Henry D. Guelich, '95, Robert P. Loomis, '95, E. D. Pouch, '97, Chas. M. Turner, '97, Wallace H. Owen, '98, Charles Schultz, Sp.

4. THE ATHLETIC ASSOCIATION.—*Officers*: President, Franco C. Munson, '95; Vice-President, Robert P. Loomis, '96; Secretary, Edward H. Jewell, '95; Treasurer, G. Howard Butler, '95. Chairman of Exhibition Committee, Edward H. Jewell, Captain of the base-ball nine, Edward H. Jewell, Captain of the foot-ball team, G. Howard Butler. Annual exhibition, Saturday, March 24th, 1894, in the Gymnasium, at 8 P. M.

Order of Exercises at the Graduation of the Class of 1893.

COMMENCEMENT DAY, JUNE 12th, 1893.

1. PRAYER, by the *Rev. Doremus Scudder, D.D.*
2. ESSAY, with Salutory, "Wealth or Culture?" *Herman Alfred Prosser.*
3. ESSAY, "Woodland and Marsh." *Isadore Gilbert Mudge.*
4. ORATION, "The Annexation of Canada." *Frank Holmes Johnson.*
5. MUSIC.
6. ESSAY, "An Old Story-Teller." *Jessie Kneeland.*
7. POEM, "Siegfried's Sword." *Anna Hempstead Branch.*
8. ORATION, "The Value of Ideals in Politics." *Western Wesley Wager.*
9. ESSAY, "A Lost Art." *Mabel Lewis Patterson.*
10. MUSIC.
11. ESSAY, "Impatient Ignorance." *Ella McDermott.*
12. ORATION, "Young Men in Politics." *William Henry Pouch.*
13. ESSAY, WITH VALEDICTORY, "The Rights of Childhood."
Grace Abbie Van Everen.
14. MUSIC.
15. ADDRESS TO THE CLASS. *Mr. Charles M. Pratt,*
President of the Board of Trustees.

PRESENTATION OF DIPLOMAS.



FEES FOR INSTRUCTION.

PER QUARTER, PAYABLE IN ADVANCE.

No extra charges, except for Chemicals used in the Laboratory.

Kindergarten. First and second years, each per quarter - - - \$10.00
Intermediate, or optional year of preparation for the 1st Grade - 12.50

Academic Department.

First Grade - - - \$12.50	Fifth Grade - - - \$24.00
Second Grade - - - 15.00	Sixth Grade - - - 28.00
Third Grade - - - 17.50	Seventh Grade - - - 32.00
Fourth Grade - - - 20.00	Eighth Grade - - - 37.50

Collegiate Department, - - - - - \$40.00

Rates for children of resident clergymen officiating in the city of Brooklyn, and of Principals of Brooklyn Public Schools, half-price.

Tuition is payable at the Bursar's office in the Academic Building.

No Deduction is made for absence of less than a half-term ; in case of consecutive absence of five weeks or more, tuition for one-half the time will be refunded.

Students in the Chemistry classes will make a deposit of \$5 to cover waste and breakage.

Special students who attend one class recitation only, pay \$15 a quarter for each branch pursued. Special students in the sciences are entitled to the same amount of laboratory work as that which is required of regular students ; for extra work in the laboratories they pay \$10 a quarter for each additional period.

Special students in the Gymnasium pay \$9 a quarter for three lessons a week, and \$6 a quarter for two lessons a week.

Any student who has more than two studies, who occupies a seat in the school and has the benefit of the general exercises, is considered regular, and pays full tuition bills. No special student is received for less than one quarter.

The fee for instruction in the Kindergarten Training Class is \$25 per quarter or \$100 per annum. There are no extra charges.

For instruction in Drawing or Painting the fee is \$10 per term of ten weeks, for a half-day, or \$15 for the whole day.

The Academy maintains a Book Room where all books and stationery may be purchased by the students for cash.

OFFICE HOURS

AT THE ADELPHI ACADEMY.

The Principal is in the office at the Clifton Place entrance of the Academy every session-day from 9:15 to 10 A. M. In September, 1894, the Principal's office will be open on and after Monday, the 17th.

The Superintendents may be found in their respective offices at the beginning and end of each day's session.

The Library is open from 8:30 A. M. until 4 P. M. on every session-day.

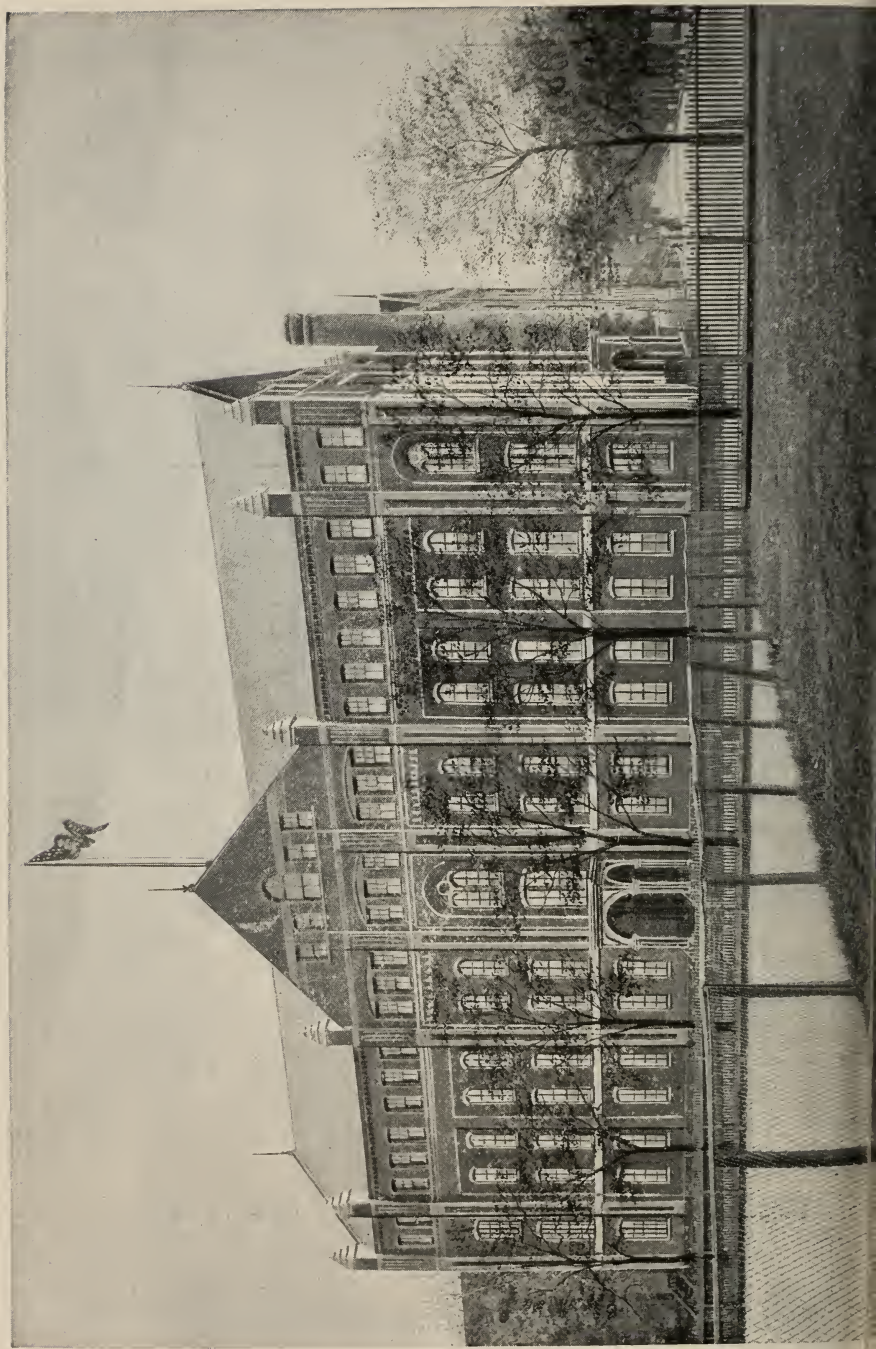
The Gymnasium is open from 9 A. M. until 5 P. M. on each session-day, and on Saturdays from 9 A. M. until 12 M.

The Bursar's office is open every session-day from 8:30 A. M. until 4 P. M. All business matters relating to the Academy are transacted in this office. This office will be open in September, 1894, on and after the 17th. All business correspondence and requests for catalogs should be addressed to Miss Charlotte Morrill, Bursar, Adelphi Academy.

Announcements.

A new instructor in the Department of Classical Languages for the next year is Mr. John H. Safford, A.M., a graduate of Williams College, and the son of Truman H. Safford, the Professor of Astronomy in that institution. After graduation Mr. Safford was the Principal of the High School in Blackinton, Mass., and went from there to the Hill School at Pottstown, Penn. In that school he has been for eight years an efficient and valued teacher.

The new department of Natural History, comprising the studies of Biology, Zoölogy, Botany, and Physiology in the Collegiate Department of the Academy, will be placed next year under the charge of Miss Elizabeth Venable Gaines, of the Massachusetts Institute of Technology. Miss Gaines, who is a native of Virginia, was educated in schools in Philadelphia and Cincinnati and at Vassar College. She has had four years of experience in teaching, during three of which she was a successful instructor in Physics and Chemistry in the State Normal School at Farmville, Va. During the last two years Miss Gaines has been a student in the Biological Laboratory of the Massachusetts Institute, and in the Marine Biological Laboratory at Wood's Holl. Miss Gaines comes to the Adelphi with the highest encomiums from those who have been associated with her and with every promise of fitness for the important work that awaits her in Brooklyn.



Students of the Adelphi Academy.

1893=1894.

KINDERGARTEN.

Bellinger, Katherine Miles	Thayer, Nathalie
Broes van Heekeren, Elizabeth	Trask, Olive Adams
Burrows, Emilie Freeman	Vail, Florence
Blose, Edna Keeler	Von Glahn, Adelaide
Critchley, Helene Marie	Wilson, Marguerite
Cutter, Marian	Armstrong, Frank L.
Dixon, Clara	Bretz, Harold B.
Evans, Sarah Louise	Burchard, Erskine B.
Firth, Mildred	Chichester, Percival
Halstead, Marguerite	Derby, Montgomery
Hart, Margaret Greenwood	Dimond, Walter
Holmes, Hazel Augusta	Dunning, Clifford
Levermore, Margaret	Dodd, Allen Robert
Lockwood, Olive	Dunne, Desmond
Marston, Dorothy H.	Evans, Alfred Macumber
Martin, Marjorie	Holt, William W.
Martin, Mary Marshall	Holmes, John Field
Ostrom, Marguerite	Johnson, Walter
Persons, Marjorie Mae	Levermore, Charles L.
Pettit, May Clarissa	McKinney, Archibald
Planten, Florence Marguerite	Parsons, Kenneth
Quinn, Fanny Mildred	Peckham, Henry Duncan
Richardson, Florence	Pinney, Harold Reynolds
Schlegel, Elsa Myra	Quinn, Sydney Thomas
Shepard, Edna	Roberts, Claude Wilbur
Slocum, Lorna Josephine	Trask, Wayland
Southard, Beatrice	Von Glahn, John
St. John, Jessie P.	Williams, Arthur L.
Templin, Marguerite	Woodward, Cedric Rainey—58.

ACADEMIC DEPARTMENT.

FIRST GRADE.

Ballance, Ethel
 Biedermann, Mabel H.
 Chichester, Charlotta B.
 Clapp, S. Henrietta
 Covert, Constance E.
 Craig, Mary W.
 Croal, R. Maud
 Crombie, Ruth E.
 Douglas, Annie M.
 Gibb, Dorothy
 Gilmore, Louisa
 Harris, Mabel J.
 Holt, Irene
 *Howlett, Marion L.
 Irish, Gertrude M.
 Jarvis, Edith L.
 Murphy, Helen B.
 Ogden, Helen M.
 Shiff, E. Madeline
 Shiff, L. Olive
 Smith, Ada
 Thorn, Caroline
 Van Nostrand, Katherina
 Watson, Edith
 Whitney, Lavinia
 Williams, Isabel L.

Aller, T. Gustin, Jr.

Bedford, Edward T.
 Bedford, Henry E., Jr.
 Burn, Edward
 Chapin, Edward E.
 Corliss, Welling S.
 Ford, Sumner
 Germond, Russell C.
 Gould, Howard C.
 Griffiths, Butler
 Haviland, Frost
 Hooker, Davenport
 Hoschke, William A.
 Liebler, Theodore A.
 Mayhew, Zeb
 McAllister, Douglas H.
 McNicholl, Alexander
 Ripton, James L.
 Sayer, Winthrop M.
 Sayre, Howell E.
 Smith, Howard
 Street, Richard H.
 Thayer, Gordon C.
 Thorn, Henry C., Jr.
 Torrey, Hamilton
 Towns, Mirabeau C.
 Von Pustau, William O.
 Vought, Donald W.
 Wyckoff, Herbert A.—55.

*Died Feb. 19th, 1894.

SECOND GRADE.

Aalholm, Rosalie L.
 Barnes, Louise H.
 Bedford, Mildred E.
 Carpenter, Mary C.
 Chapman, Bertha
 Edwards, Margaret A.
 Eldredge, Florence V.
 Gould, Fanny C.
 Graef, Grace H.

Hammond, Jessie Le B.
 Haviland, Ruth
 Hildreth, Helen A.
 Howard, Ruth
 Ingraham, Edith,
 Ingraham, Ruth
 Jacobus, Ethel B.
 Johnston, Sarah H.
 Knapp, Amy H.

Knapp, Grace B.
 Langley, Edith M.
 Martin, Adele
 Matson, A. Nathalie
 Morgan, Helen
 Naylor, Florence E.
 Paddock, Gertrude
 Potter, Marianna S.
 Sherwood, Mabel E.
 Silkman, Carrie E.
 Street, Anna E.
 Swezey, Elsie M.
 Swezey, Mabel K.
 Weeden, Elizabeth S.
 Welles, Julia

Aalholm, Arthur C.
 Biglow, Ray
 Carney, Lester M.
 Carter, Frederick L., Jr.
 Childs, Irving W.
 Comins, Fred G.

Desmond, Edgar C.
 Dixon, A. Faison
 Ewing, William J.
 Frost, Edwin D.
 Ginnel, Henry S.
 Halpin, Mortimer E.
 Haviland, Charles S.
 Marston, Trowbridge
 Merrihew, Edward
 Minton, Ogden
 Nevin, Wesley H.
 Nichols, John A., Jr.
 Piel, William W.
 Pierron, Julien
 Runyon, Ralph
 Shepard, Lawrence H.
 Smith, Frank G.
 Stoiber, Herbert A.
 Trenkmann, Charles
 Warden, Kenneth
 Wood, Bernard H. Jr.
 Wooden, Stewart L.— 61

THIRD GRADE.

Askew, Bertie C.
 Bedford, Grace M.
 Blauvelt, Fannie A.
 Bosch, Marietta R.
 Broes van Heekeren, Hendrika
 Burn, Grace
 Cinnamond, Ethel R.
 Chapman, Emily G.
 Cone, Marion C.
 Coombs, Edna
 Dallon, Grace N.
 Davidge, Maria D.
 Dingee, Nellie
 Douglas, Jennie
 Eldredge, Arvilla R.
 Frazier, Marion
 Graef, Nellie T.
 Guyon, Kate R.
 Hasbrouck, Edna A.

Herbert, Marion D.
 Hoschke, Louisa
 Jewell, Florence G.
 Lawrence, Imogene
 Lima, Enid
 Morgan, Ethel
 Persons, Clare G.
 Popoff, Olga
 Pratt, Marion S.
 Quinby, Edith
 Ruckgaber, Isabel E.
 Sawyer, Mina J.
 Sayer, Helen
 Scrymser, Christabe
 Smith, Mae P.
 Thorn, Bessie

Adams, F. Leon
 Almirall, Leon V.

Baldwin, Marshall D.
 Baldwin, Oran
 Behrends, Frederick R.
 Blakely, Robert
 Budington, Walter I.
 Colson, A. Ellicott
 Cort, Albert J.
 Crombie, Dwight H.
 Duncan, David
 Fowler, Royal H.
 Gates, Harry E.
 Gilmore, Frederick
 Gilmore, T. Edward
 Griffiths, Leon H.
 Halstead, Harold
 Haviland, Marston
 Hitch, Robert S.
 Hudson, Edward R.
 Humpstone, Ernest B.

Humpstone, Harold D.
 Johnston, Charles W.
 Jurgens, Herman P.
 Kehr, Gustav
 Koehler, Percy W.
 Mathews, Edward G.
 Murray, W. Russel
 Palmer, Austin P.
 Pfarre, Edgar G.
 Scrymser, Birdsall A.
 Somers, Donald M.
 Stothoff, J. Henry
 Switzer, Charles S.
 Switzer, George
 Trenkmann, Robert
 Uptegrove, Gifford M.
 Warden, Louis
 Webster, Ralph
 Williams, Albert B.—75.

FOURTH GRADE.

Bates, Ethel E.
 Bogardus, Daisy R.
 Bon, Mary B.
 Buys, Mabel A.
 Carpenter, Anna T.
 Casamajor, Martha
 Christensen, Alice F.
 Dimond, Mary
 Dixon, Mary F.
 Duncan, Mary W.
 Ewing, Margaret
 French, Florence B.
 Gard, Mary
 Goldsmith, Beatrice
 Harris, May S.
 Hollingshead, Bessie L.
 Jurgens, Mary
 Kenyon, Helen
 Kenyon, Rachel
 Kingman, Emilie S.
 Langley, Marjorie S.
 Lawrence, Azilia M.

Leibmann, Estelle L.
 Nichols, Margaret F.
 Ogden, Edith R.
 Pinney, Grace D.
 Powell, Ethel H.
 Righter, Jessie H.
 Rogers, Lily I.
 Steenken, Anna
 Towns, Marie F.
 Trenkmann, Emma
 Van Der Bilt, Birdie
 Wanamaker, Lulu M.
 Wells, Beatrice
 Wheeler, Harriette
 Wheeler, M. Elizabeth H.
 Williams, Ethel

Adee, David E.
 Bacchus, Stockbridge
 Beach, Frank C.
 Beesley, Roland
 Bentley, Ellis W.

Berri, Herbert	Loeser, Frederick
Blomquist, Henry W. B.	Moore, Eliot D.
Boughton, Everett W.	Mudge, Alfred E., Jr.
Bruff, Harold	Mudge, Samuel T.
Burn, Harry L.	Norton, Henry W., Jr.
Butler, D. Douglas	Primrose, Charles L.
Candee, Walter M.	Quin, Joseph P.
Clarke, Chester B.	Roberts, George
Coffin, Sherwood	Robinson, James L.
Cort, Henry S.	Rushmore, Arthur W.
Cragg, Walter H.	Schmidt, John W.
Crouse, Herbert T.	Seaman, Ralph
Firth, Godfrey T.	Schieren, Harrie V.
Gibson, William Hamilton, Jr.	Stephens, William W.
Harris, George Burdette	St. John, Claire
Hillyard, William K.	Tanquerey, George A.
Hooper, F. Dana	Travis, George C., Jr.
Ingraham, Olin	Van Nostrand, Norman W.
Kane, J. Sperry	Wheeler, Henry H.
Kelsey, J. Arthur	Wilkins, Norman
Knudson, Morris F., Jr.	Williams, Donald D.
Lewis, J. Lloyd	Woods, Leonard M.—87.

FIFTH GRADE.

Abraham, Edith S.	Lazelle, Mabel E.
Backhouse, Lillian A.	Levy, Leonora
Backhouse, Ruby	Murr, Laura H.
Bedford, Emily H.	Murray, Marie A.
Butler, Mary S.	Nichols, Louise C.
Clapp, Margaret M. S.	Parker, Florence H.
Combes, Phebe S.	Ralph, Alice
Coppins, Hazel E.	Raynor, Florence R.
Crum, Lulu	Ruckgaber, Helene L.
Dallas, Mary	Ruckgaber, Laura L.
Durham, Elizabeth	Rutan, Ella M.
Emery, Maude L.	Seamans, Mabel G.
Gelston, May	Selden, Florence A.
Harris, F. Estelle	Somers, May
Hoople, Bessie M.	Squier, Ethel C.
Houghton, Emily R.	Stearns, Alice C.
Jurgens, Sophie M. R.	Story, Josephine B.
Kane, Josephine W.	Sullivan, Edith
Lambert, Elizabeth C.	Thayer, Beatrice

Towns, Christine R.
 Trier, Mety
 Uhler, Maude
 Washburn, Adelaide S.
 Welles, Mary S.
 Whitney, Marion S.
 Woods, Evelyn La P.
 Young, Edna A.

Adams, Ernest C.
 Barnes, Roderic B.
 Benson, Edwin P.
 Bushnell, Ezra L.
 Chandler, Willis D.
 Davies, Thomas R.
 Dunham, Ernest F. R.
 Frost, Kingsland H.
 Funk, Wilfred John
 Gibb, Edward
 Graff, Edward I.
 Griffiths, Albert B.
 Hall, Lewis B.
 Harris, Woods
 Hendricks, Walter R.

Jenkins, Clarence C.
 Joost, Sherman
 Kenyon, George
 Langley, William Clark
 Lengfelt, Francis M.
 Marston, Russell
 Mathews, Butler A.
 McKane, William E.
 Pell, William W.
 Peterkin, Clinton R.
 Pouch, Oscar G.
 Pratt, Clarence A.
 Reeve, Clifford C.
 Salisbury, Albert T.
 Salter, Robert S.
 Silkman, C. Hallock
 Silleck, William M.
 Smithers, Howard B.
 Stikeman, Charles
 Stoiber, Edwin L.
 Thornton, Lewis M.
 Thursby, Rodney
 Wheeler, Benjamin R.
 Wildes, Gerard M.—85.

SIXTH GRADE.

Bartholomew, Zoë
 Bray, Marion H.
 Britton, Clara
 Bushnell, Mary A.
 Cartledge, Edith E.
 Cotton, Edith A.
 Cotton, Grace C.
 Eldredge, Marion B.
 Emanuel, Alice S.
 Emerson, Ethel M.
 Ewing, Jean
 Flagler, Grace E.
 Fuller, Ethelyn A.
 Greene, Olive E.
 Guyon, Ethel W.
 Henson, Violet L.
 Hitch, Laura D.

Homer, Florence T.
 Kane, Emily M.
 Levy, Estelle
 Loweree, Eleanor L.
 Marshall, Georgie M.
 Martin, Harriett M.
 McWilliams, Helen M.
 Meyer, Fannie F.
 Milne, Frances
 Mudge, Clara D.
 Nesmith, Ruth
 Peirson, Susan W.
 Peters, Ruth
 Pladwell, Edna S.
 Popoff, Nadia
 Powers, Florence E.
 Robinson, C. Marguerite

Rogers, Alice H.
 Rogers, Marie L. B.
 Saunders, Mary E.
 Scudder, Edna H.
 Scudder, Mai H.
 Steenken, Elsie
 Van Cleve, Christire
 Van Dorn, Jersey A. B.
 Vernon, Laura
 Whiting, Bessie
 Whitney, Katharine E.
 Williams, Mary B.
 Wilson, Florence
 Wilson, Florence M.
 Wooden, Maud E.
 Young, Grace S.

Ager, J. Winfrid
 Allen, Francis R.
 Armstead, Daniel M.
 Barron, Ben Martin
 Berri, Walter L.
 Burtis, William E.
 Campbell, Alexander C.
 Casamajor, Louis
 Davol, John
 Driggs, F. Albert
 Dunning, Clarence
 Emery, William F.
 England, W. Harry

Ferguson, Joseph
 Frisby, Albert E.
 Gravenhorst, Paul G.
 Green, Irving C.
 Greningen, Arthur H.
 Griffiths, G. Arthur
 Harris, Wilson P.
 Jeffery, George C., Jr.
 Kalbfleisch, Karl H.
 Langhaar, Louis
 Lawrence, Parker V.
 Litch, William K.
 Peabody, Charles S.
 Pell, William
 Piel, Alfred L.
 Piel, Elmer W.
 Pond, Charles M.
 Quinby, Paul V. C.
 Riedel, Oscar C.
 Smithers, Charles H.
 Snow, Norman L.
 Spencer, J. Harold
 Thomson, Ralph M.
 Topping, Ray M.
 Uptegrove, William E., Jr.
 Wellington, Frank H.
 Winter, Clarence E.
 Yallalee, Allan J.
 Yallalee, Charles H.—92.

SEVENTH GRADE.

Aller, Georgetta P.
 Attwood, Emmie L.
 Bacchus, Josephine S.
 Bacchus, Mary S.
 Bowne, Mary A.
 Braman, Mabel E.
 Buchenberger, Carrie A.
 Butler, Elizabeth S.
 Christensen, D. Bessie
 Comins, Nellie A.
 Crampton, Cecilia

Englis, Anna B.
 Frost, Agnes
 Frost, Helen H.
 Goldsmith, Theodora
 Graff, Lucy
 Hallock, Mary D.
 Hore, Edith R.
 Houghton, Helen B.
 Irish, Alice F.
 Keilholz, Amy A.
 Lahey, Marguerite J. D.

Lockwood, Nannie
 Loeser, H. Bertha
 Marshall, A. May
 Marston, Helen E.
 Mayhew, M. Louise
 Miles, Alberta C.
 Miller, Lulu C.
 Murphy, Florence G.
 Murr, Addie B.
 Nesmith, S. Helena
 Nichols, Kate S.
 Ormsbee, Emma Florence
 Parker, Marjorie E.
 Perkins, Jessie T.
 Pfeiffer, Jenny I.
 Powell, Mabel C.
 Puels, Cornelia Z.
 Rapalje, Cornelia
 Ray, Helen
 Righter, Katharine A.
 Salisbury, Jennie K.
 Seaman, Maude
 Selden, Mary E.
 Shay, Nellie J.
 Siede, Ethel Louise
 Skirving, Edith E.
 Stephens, Carrie W.
 Taggart, Alice
 Thackray, M. Josephine
 Thomas, Olivia A.
 Thomson, Edith McKee
 Titcomb, Leila W.
 Travis, Lillian G.
 Whittaker, Margaret S.

Addy, Richard C., Jr.
 Backhouse, George G.
 Bailey, Benjamin T.
 Bancker, Andrew O.
 Bates, Leonard W.
 Beasley, John G.
 Benjamin, Walter A.
 Bentley, John, Jr.
 Bergen, Cornelius R.
 Betts, T. Hallett

Boyer Russell L.
 Bray, Carl P.
 Budington, Ernest G.
 Creighton, Harold T.
 Curtis, Jesse M.
 Dodworth, Wilfred K.
 Dutcher, Edwin B.
 Fletcher, Robert S.
 Frankenberg, William S.
 Gardner, Archibald
 Halbert, Louis John, Jr.
 Halstead, Kenneth B.
 Harding, George C.
 Harris, Frederick L.
 Healy, Raymond
 Holden, Emery B.
 Hopkins, Joseph G.
 Hunting, George
 Hussey, Richard I.
 Ingraham, Edward A.
 James, Halsted
 Jenkins, Wilson W.
 Kalbfleisch, James Herbert
 Keilholz, William F.
 Langdon, Philip C.
 Latimer, Raymond I.
 Le Fevre, Francis
 Ludlam, Malcolm C.
 McLean, David J.
 Moore, Arthur S.
 Osborn, Charles W.
 Packard, Harry A.
 Phipps, Charles B.
 Reiners, Frederick A.
 Richardson, John G.
 Roberts, U. Monroe
 Salter, John L., Jr.
 Schorah, Robert, Jr.
 Scott, David M.
 Strong, Arthur H.
 Sullivan, Charles
 Sweet, Edwin Le Roy
 Topping, Howell
 Trier, Hans
 Williams, Frank D.—III.

EIGHTH GRADE.

Avery, Delia S.
Bates, Mary Ethel
Bedford, Mary E.
Benedict, M. Marion
Brooks, Louise
Burr, Jessie D.
Burtis, Grace L.
Clark, Alice W.
Combes, Frances A.
Crouse, Lillian J.
Driggs, Clara D.
Eldredge, Edna H.
Ewing, Elizabeth
Goddard, Edith L.
Hall, Mildred F.
Haver, Lulu M.
Hollely, Mabelle M.
Hollenback, Amelia B.
Humpstone, Helen
Kelsey, Emily G.
Langdon, Annie E.
Leggett, Emma B.
Lockwood, Isabelle
Logan, Julia
Lott, Phebe J.
MacNaughton, Jessie
Martin, Florence E.
Matthews, Amy B.
Ogden, Kate C.
Ogg, E. Jessie
Pfeiffer, Clara A.
Phipps, Katharine R.
Platt, Mabel H.
Ray, Edith
Rose, Olga L.
Seaman, Grace
Stanton, Mildred A.
Taggart, Mary W.
Thursby, Gertrude L.

Tuthill, Alice M.
Valentine, Florence E.
Vernon, Edith L.
Willets, Anna
Williams, Florence A.
Wiswell, Dora C.

Bergen, Eldert
Berking, Max B.
Blair, F. Ross
Blakely, John., Jr.
Bull, Theodore D.
Driggs, Edmund
Eldredge, Elliott M.
Fallaw, Henry C.
Gibb, Frank B.
Gelston, William R.
Graff, Frederick
Gunnison, Stanley E.
Hanse, Charles W.
Hillmann, Hugo G.
James, Warner
Jansen, John A. C.
Jewell, Elmer G.
Lahey, Henry H.
Liebmann, Robert E.
Lord, Kenneth
Munger, Edward A.
Nicols, Alfred A.
Owen, Wallace H.
Ralph, Lester
Stearns, James H.
Thayer, Gilbert M.
Williams, Howard S.
Wilson, Stanley K.
Young, Harvey C.

SPECIAL STUDENTS.

Pulcifer, Edna D.
Rushmore, Emily A.—76.

KINDERGARTEN TRAINING CLASS.

Barnhart, Bertha Maude
Frary, Helen R.
Greene, Agnes E.
Hakes, Nellie T.

Holmes, Margaret Cook
Peckham, Victoria Duncan
Plaettner, Elise—7.

DEPARTMENT OF PHYSICAL CULTURE.

Bordwell, Bessie
Boreham, Mrs. May M.
Breck, Edith
Butler, Irene
Closter, Sylvie de G.
Ditmars, Anna M.
Harter, Isabel
Kelton, Mrs. Laura

Mills, Edith L.
Nesmith, Mrs. H. E.
O'Brien, Grace
Reeve, Ethel
Royce, Lucy
Wright, Marie
Dornbusch, William F.—15.

ART DEPARTMENT.

Babcock, Mrs. C. M.
Berry, Luta C.
Blakemore, May
Bock, Mrs. G.
Bunkey, Anna
Campbell, Florence
Champney, Marie J.
Cleaves, Carrie B.
de Rougemont, Jeanne
English, Augusta H.
Ferris, Mrs. Mary E.
Fest, M. Louisa
Field, Ada A.
Fisk, Sara Christine
Fitzmaurice, Mrs. C. B.
Fuller, Elsie
Goldsmith, Mrs. T.
Hazzel, Maria
Hinchcliffe, Lillian
Hobart, Mabel
Holbrook, Grace
Ireland, Mrs. C.
Ketcham, Adele
Lysaght, Annette E

Macoy, May D.
Malherbe, Elfriede
Mandeville, Mrs. A. L.
Marsh, Helen
Miles, Stella
Millett, Ellen
Nichols, Josephine L.
O'Brien, Sadie
Osgood, Iola D.
Platt, Mabel H.
Plummer, Ethel
Pray, Mrs. Alice J.
Quinlan, Florence E.
Ray, Edith
Rice, Minnie Fay
Robinson, C. Marguerite
Rountree, Sallie Iola
Schroeder, Frances
Torrey, Lillian
Tuttle, Amy H.
Whitmore, B. Olive
Whittaker, Marie F.
Williams, Emma J.

Boerum, Folkert R., Jr.
 Bowmann, Charles W.
 Burlingame, Charles A.
 De Villroy, August
 Frazier, Samuel W.
 Fulton, Frederic A.
 Hanning, Will. H.
 Henken, Henry J.

Pendrill, William P.
 Platt, Willard P.
 Quinlan, Will. J.
 Robinson, Peter
 Ruland, Norman W.
 Tarbell, Oscar A.
 Wentworth, Genio—62.

COLLEGIATE DEPARTMENT.

SPECIAL STUDENTS.

Berry, Luta C.
 Bomann, Mary T.
 Chase, Harriet A.
 Cutter, Margaret
 Davol, Laura B.
 Gravenhorst, Elsa K.
 House, Kate A.
 Kneeland, Jessie

Mangam, Grace,
 Martin, Bessie S.
 McAleer, Daisy
 McMicken, Ora W.
 Merrihew, Annie G.
 Ogden, Mary H.
 Welsh, Clara
 Slattery, John F.—16.

JUNIOR CLASS.

Armstrong, Carrie A.
 Atwood, Helen
 Bancker, Mary Louise
 Baylis, Annie E.
 Behre, Emma A.
 Beers, Mabel
 Bentley, Meta E.
 Casamajor, Mary
 Davol, Marian
 Ewing, Christina
 Hall, Elizabeth N.
 Hanks, Helen A.
 Hopkins, Mary M.
 James, Ethel
 Johnson, Margaret E.
 Knudson, Mabel A.
 Leeming, Winifred C.
 Liebmann, Florence H.
 Mathews, Mary E.

Mitchell, Bernice P.
 Munson, Beulah B.
 Munson, Mabel E.
 Munson, M. Louise
 Parker, Grace E.
 Parker, Helen C.
 Patterson, Margaret A.
 Pfizer, Alice M. E.
 Righter, Harriet T.
 Ripley, Julia A.
 Roberts, Rosamond
 Rose, Matilda C.
 Stockwell, Ethel S.
 Story, Edna
 Tobey, Ethel M.
 Towner, Ida Pauline

Babcock, Edwin G.
 Barlow, Elbert S.

*Bayliss, Ernest B.
 Bedford, Frederick T.
 Braman, Hiram V. V., Jr.
 Britton, Alfred D.
 Brooks, Royal D.
 Corbett, E. Howard
 Crampton, Foster
 Dettmer, Justus G.
 Ingraham, Henry A.
 La Rowe, Frederick L.
 Lippenov, Maximilian
 Morgans, Frank D.
 Morse, Charles L.

Patterson, Edward C.
 Payne, John A.
 Plyer, Arthur M.
 Pouch, Edgar D.
 Schultz, Charles
 Selden, William C., Jr.
 Stearns, Edgar F.
 Sullivan, George
 Turner, Charles M.
 Van Sickle, Edward E.
 Welles, Edward R.
 Wells, George L.—62.

*Died February 11, 1894.

JUNIOR MIDDLE CLASS.

Baker, Sarah C.
 Blatchford, Stella
 Casamajor, Alice
 Clark, Marion
 Crane, Ida E.
 Creighton, Edith M.
 Graff, Helen C.
 Harding, Adelia C.
 Harrison, A. Maud
 Hooper, Rebecca L.
 Kelley, Agnes S.
 Montgomery, Carolyn A.
 Patterson, Margaret A.
 Pettit, Grace A.
 Pouch, Mabel J.
 Reeve, Laura E.
 Seaman, Emily C.
 Shepperson, Mary J.

Taylor, Susie B.
 Adams, Robert C.
 Birdsall, Walter D.
 Byers, Mortimer W.
 Cutter, William D.
 Geis, Norman P.
 Gravenhorst, Frederick W.
 Guelich, Henry D., Jr.
 Hawkins, Stephen O.
 Hebard, Arthur F.
 Hills, John S.
 Hutchins, George P.
 Loomis, Robert P.
 Meserole, Clinton V.
 Otterson, Arthur L.
 Pratt, John, R.
 Shoudy, William A.—35.

SENIOR MIDDLE CLASS.

Benedict, Anna C.
 Duncan, Bessee
 Finks, Theodora

Gilmor, Anna T.
 McCarroll, Marion C.
 Puels, Glenada

Romer, Amy C.	Geer, Ledyard C.
Royce, Helen E.	Hills, J. Mandly
Shaw, Mabel E.	Jewell, Edward H.
Vernon, Mabel A.	Munson, Franco C.
Wilson, Lily R.	Opp, Arthur W.
	Robinson, Edward W.
Butler, George Howard	Romer, Henry H.
Casamajor, Walter	Simpson, David G.
Dexter, Frank H.	Thackray, Richard
Dwight, Harold	Van Everen, Jay—25.

SENIOR CLASS.

Alden, Mabel W.	Goodnow, Clarence D.
Baldwin, Louise E.	Hanscom, William E.
Beach, Marguerite N.	Hopkins, George G., Jr.
Bentley, Nellie R.	Humpstone, O. Paul
Kelley, Eugenie P.	Leahy, David T., Jr.
Lewis, Cornelia	Nichols, Harry W.
Rhodes, Elizabeth M.	Sillcocks, Henry
Wilkinson, Sarah E.	Tenney, Alvan A.
	Wagner, Webster
Bayliss, Harold H.	Watson, Jesse, Jr.
Blatchford, Eliphalet H.	Webster, Evans
Fletcher, Henry	Welles, Frederick A.—23.

SUMMARY.

Kindergarten Department	58
Academic Department	642
Kindergarten Training Class	7
Physical Culture Department	15
Art Department	62
Collegiate Department	161
	945
Omitting repeated names	3
Total	942

Register of Graduates.

1893.

Bomann, Mary T.....	Brooklyn.
Branch, Anna H.....	Smith College, Northampton, Mass.
Cowles, Winifred E.....	Woman's College, Baltimore, Md.
French, Maud M.....	Wellesley College, Wellesley, Mass.
Holmes, Abby B.....	Brooklyn.
Kneeland, Jessie.....	Brooklyn.
McDermott, Ella.....	Brooklyn.
Mudge, Isadore G.....	Cornell University, Ithaca, N. Y.
Ogden, Mary H.....	Brooklyn.
Patterson, Mabel L.....	Brooklyn.
Rapalje, Louisa C.....	Wellesley College, Wellesley, Mass.
Schroeder, Frances.....	Brooklyn.
Tingley, Effie M.....	Brooklyn.
Van Everen, Grace A., <i>Valedict.</i> ;	Barnard College, New York City.
Walker, Ray R.....	Brooklyn.
Chadwick, Charles... ..	Yale University, New Haven, Conn.
Edgar, Fred P.....	Brooklyn.
Fort, George E.....	Brooklyn.
Fort, Jerome H.....	Brooklyn.
Hammond, Clarence A.....	Columbia School of Mines, New York City.
Johnson, Frank Holmes.....	Johns Hopkins University, Baltimore, Md.
Kneeland, Henry T., Jr.....	Yale University, New Haven, Conn.
Pouch, William H....	Sheffield Scientific School, New Haven, Conn.
Prosser, Herman A.....	Columbia School of Mines, New York City.
Wager, Western W.....	Yale University, New Haven, Conn.—25.

1892.

Alden, Leila N.....	Brooklyn.
Anderson, Esther.....	Chicago, Ill.
Bates, Clara W.....	Smith College, Northampton, Mass.
Betts, Emily J.....	Smith College, Northampton, Mass.
Eddy, Elsie R.....	Brooklyn.
Foster, Mabel, <i>Valedict.</i>	Teacher, Adelphi Academy, Brooklyn.
Graham, Elizabeth S.....	Brooklyn.
Hills, Eva L.....	Smith College, Northampton, Mass.
Miller, Carrie S.....	Brooklyn.

Burtis, Mary L.....Brooklyn.
Gibb, Ada L.....Brooklyn.
Hastings, Mabel L.....Vassar College, Poughkeepsie, N. Y.
Hollenback, Anna W.....Brooklyn.
Hollenback, Josephine W.. ..Brooklyn.
Hunter, Alice W.....Brooklyn.
Hyatt, Clara M.... (m. Edward H. Bancker), Brooklyn.
Lambert, Minnie F.....Brooklyn.
Lewis, Elizabeth.....Brooklyn.
Mitchell, Marianne.....Brooklyn.
Peckham, Clara I.....Mme. Kraus-Boelte's Kindergarten Training
Class, New York City.
Pelton, Katharine I.....Brooklyn.
Simonson, Ruth.....Brooklyn.
Squier, Florence A.....Brooklyn.
Thornton, Mary E.....Brooklyn.
Tuttle, Lizzie F.....Brooklyn.
Van Everen, Mary E., *Valedict.*; Brooklyn.
Wager, Laura B.....Brooklyn.
Wagner, Hortense.....Brooklyn.
Bancker, Edward H.....Brooklyn.
Beach, John N., Jr.....*Aug. 23, 1893.
Hutchins, Charles P.... Brooklyn.
Leeming, Thomas L., Jr.....Columbia School of Mines, New York City.
Pfarre, Philip H.....M.D., L. I. Coll. Hospital, '92; Brooklyn.
Robinson, F. GeorgeE.E., Columbia, '93; Brooklyn.
Tredwell, Alonso S.M.D., L. I. Coll. Hospital, '93; Brooklyn.-27.

1889.
Atwater, Jane L.....Barnard Coll., New York City.
Coffin, Adele.....Brooklyn.
Corey, Florence A., *Valedict.*; Brooklyn.
Donnelly, Lucy M.....B.A., Bryn Mawr, '93; Oxford, Eng.
Puels, Eva B.Brooklyn.
Shiebler, Mary G.....(m. Joseph W. Baldwin), Brooklyn.
Smith, Rachel L.....Brooklyn.
Williams, Mabel.....M.D., Woman's Med. Coll. of the N. Y. In-
firmmary, '93; Brooklyn.
Wooden, Minnie J.....Brooklyn.
Blackford, Wallace E.....*Dec. 11, 1893.
Brinckerhoff, Walter J.....M.D., L. I. Coll. Hospital, '93; Brooklyn.
Brooks, Edward B.....B.A., Amherst, '93.
Brooks, Gordon B.....B.A., Amherst, '93.
Geer, Edward F.....Brooklyn.

* Deceased.

- Goodnow, Harold P. Cornell Univ., Ithaca, N. Y.
 Haight, Charles S. B.A., Yale, '92.
 Horwill, Edward T. LL.B., Columbia, '92; lawyer, Brooklyn.
 Kenyon, Harry L. New York City.
 Munson, Carlos W. Havana, Cuba.
 Newell, Benjamin H. B.A., Cornell, '93; Brooklyn.
 Pratt, Arthur M. M.D., Bellevue, '92; Brooklyn.
 Stewart, Frederick. LL.B., N.Y. Law Sch. '92; lawyer, N.Y. City.
 Wilson, John A. Brooklyn.—23.

1888.

- Angell, Carrie H., *Valedict* (m. Albert C. Hale), Brooklyn.
 Barstow, Lydia P. Wellesley Coll., Wellesley, Mass., and Radcliffe
 Coll., Cambridge, Mass.
 Behrends, Harriet L. (m. Allan F. Cook), Seattle, Washington.
 Braman, Mary N. Brooklyn.
 Brown, Evelyn B. Brooklyn.
 Brunn, Freda M. Brooklyn.
 Chisholm, Maude. Brooklyn.
 Culbert, Anna M. Brooklyn.
 Dettmer, Carolyn P. Brooklyn.
 Hastings, Grace M. Brooklyn.
 Jansen, Mattie E. B.A., Vassar, '91; Short Hills, N. J.
 Jewell, Edith. Brooklyn.
 Morse, Alice L. Brooklyn.
 Pettit, Adeline S. Brooklyn.
 Sands, Helen E. Glen Ridge, N. J.
 Smith, Mary A. Brooklyn.
 Vanderveer, Susie R. (m. George A. Graham), Englewood, N. J.
 West, Lilian S. Ridgewood, N. J.
 Winnington, Laura E. Brooklyn.
 Zollinhofer, Sophie. Brooklyn.
 Corbett, William H. Stevens' Institute, Hoboken, N. J.
 Graham, John S., Jr. Paper Mfr., New York City.
 Loomis, Edward N. B.A., Yale, '92; N.Y. Law School; Brooklyn.
 Lounsbery, George H. B.A., Amherst, '92.
 Mains, William C. B.A., Univ. City of N. Y., '92; Professor of
 Eng. Lit., Denver Univ., Col.
 Sears, Charles B. B.A., Yale, '92, Harvard Law School.
 Williams, Roswell C., Jr. M.E., Cornell, '92, Schenectady, N. Y.—27.

1887.

- Anderson, H. Olive. Teacher, Montclair, N. J.
 Ayres, Fannie H. Brooklyn.

* Deceased.

Cuddy, Louise J.....Teacher, Adelphi Academy, Brooklyn.
Hall, May.....Brooklyn.
Hedge, Louise J., *Valedict*.....Teacher, Adelphi Academy, Brooklyn.
Leeming, Helena D....Brooklyn.
Tuthill, Mary L.....Brooklyn.
Wells, Jane F.....Brooklyn.
DeWitt, Clinton.....LL.B., Columbia, '90; lawyer, Brooklyn.
Kneeland, Yale.....B.A., Yale, '90; Produce Exc., N. Y. City.
Van Everen, Horace G.....M.E., Cornell, '91; Pat. Office, Wash'ton, D.C.
Weed, Harry T.....S.B., Mass.Inst. of Technology, '91; Professor
of Chemistry, Western Univ. of Penn.,
Alleghany, Pa.—12.

1886.

Beebe, Mary T.....Brooklyn.
Crandall, Mary I.....Cornell Univ. Library.
Crandall, Regina K.....B.A., Smith Coll., '90; Univ. of Chicago, Ill.
Darling, Florence.....Mendon, Mass.
Mitchell, Celia M., *Valedict*...Teacher, Everett, Washington.
Pond, Louise C.....Teacher, Huntington, L. I.
Pratt, Helen F.....Brooklyn.
Scripture, Helen R.....B.A., Smith Coll., '90; teacher, Berkeley In-
stitute, Brooklyn.
Simmons, Marcia A.....Danbury, Conn.
Slosson, Mary E...White Plains, N. Y.
Small, Hortense M.....Brooklyn.
Smith, Bessie F.....(m. Lewis R. Phillips), Brooklyn.
Williams, Lottie E.....Sing Sing, N. Y.
Brown, Frederick M.....B.A., Harvard, '89; So. Riverside, Cal.
Casamajor, George H.....C.E., Columbia, '92; Brooklyn.
Glover, George B.....Brooklyn.
Low, J. Herbert...B.A., Amherst, '90; Berlin, Germany.
Perkins, Charles A.....B.A., Dartm. '90; LL.B., N. Y. Law School,
'93; lawyer, New York City.
Rae, Andrew...* Nov. 3, 1887.
Tinker, C. Grant,* April 17, 1891.—20.

1885.

Atwater, Elsie W.....B.A., Smith Coll., '89; Brooklyn.
Babcock, Annie G.....(m. Fred. C. Truslow), Brooklyn.
Barlow, Nellie W... (m. W. D. Loutrel), Brooklyn.
Beard, Josephine C.... (m. Dr. W. C. Canfield), Bristol, R. I.
Laurot, Annie P....Teacher, Brooklyn.
Foster, Edith E.....(m. J. Lester Woodbridge), Brooklyn.
Johnson, Adele R.....Brooklyn.

* Deceased.

- Kemp, Esther.....Brooklyn.
 Mercer, Minnehaha E. G.....* May 22, 1889.
 Morse, Fannie L., *Valedict*.....(m. Charles A. Sackett). * May 19, 1889.
 Perkins, Caroline P.....Brooklyn.
 Sprague, Lida A.....(m. Charles C. Bowen), Brooklyn.
 Willetts, Alice B.....(m. Ernest L. Burrell), Chicago, Ill.
 Ager, Harry C.....B.A., Columbia, '89; Brooklyn.
 Ager, Louis.....B.A., Columbia, '89; M.D., L. I. Coll. Hos-
 pital, '93; Brooklyn.
 Camp, Charles M..LL.B., Univ. of the City of New York, '90;
 lawyer, New York City.
 Johnson, Remsen.....B.A., Columbia, '89, M.A., LL B., Columbia,
 '92; lawyer, New York City.
 McDermott, Charles J..LL.B., Columbia, '89; lawyer, New York City.
 Miller, Charles C.....B.A., LL.B., Columbia, '89; lawyer, New
 York City.
 Peck, Alfred C.....* May 20, 1888.
 Ruland, Irving A..B.A., Harvard, '89; Brooklyn.
 Vernon, Howard W.....B.A., Yale, '89; Brooklyn.
 Willetts, Frederick.....B.A., Columbia, '89; Brooklyn.—23.

1884.

- Hanly, Norma L.....Brooklyn.
 Robinson, Alice B.....B.A., Smith College, '88; teacher, Brooklyn.
 Searles, Clara A.....(m. Louis Stearns), Petersburg, Va.
 Stevens, Anna H.....(m. Wm. B. Palmer), Minneapolis, Minn.
 Hutchinson, Ira C.....Brooklyn.
 Ingraham, Robert S.....B.A., A.M., Wesleyan, '88, '91; Tomahawk,
 Wis.
 Ludlow, Francis H., *Valedict*...LL.B., Columbia, '89; lawyer, New York City.
 Palmer, Lucius N., Jr.....B.A., Yale, '88; lawyer, New York City.
 Richards, Theodore.B.A., Wesleyan, '88; Kamehameha School,
 Honolulu, Hawaii.
 Stevenson, Edward A....B.A., Yale, '88; Brooklyn.
 Stevenson, Frederic A.....B.A., Yale, '88.
 Wynkoop, Hubert S.....M.E., Stevens Institute, '88; Brooklyn.—12.

1883.

- Anderson, Emma.....Chicago, Ill.
 Brainerd, Helen E.....Brooklyn.
 Chadwick, Ella M.....Brooklyn.
 James, Grace F.....B.A., Smith College, '87; (m. W. C. Adams),
 Brooklyn.
 Kent, Alice I., *Valedict*.....Teacher, Adelphi Academy, Brooklyn.
 *Deceased.

- Barstow, William S.....B.A., Columbia, '87; Edison Elec. Ill. Co.,
Brooklyn.
- Davies, Walter R.....LL.B., Columbia, '87; lawyer, New York City.
- Gasten, William.....B.A., Columbia, '87; lawyer, New York City.
- Keep, John S. B.....B.A., Yale, '87.
- Kidder, William M.....Highland, N. J.
- Little, George F.....B.A., Columbia, '88; lawyer, New York City.
- Pratt, Frederick B.....B.A., Amherst, '87; Sec. Pratt Institute, B'kln.
- Taylor, W. Irving.....B.A., Columbia, '88; lawyer, New York City.
- Wells, Herman J.....Brooklyn.
- Woodward, Frederick S.....B.A., Yale, '87; No. Yakima, Washington.—15.

1882.

- Atkins, Annie G. Brooklyn.
- Gatenby, Jennie L.....Brooklyn.
- Gilbert, Anna L. M., *Valedict.* Teacher, Berkeley Institute, Brooklyn.
- Gray, Mary A.....*May 11, 1887.
- Pollard, Mary F.....(m. Milo H. Lockwood), Cleveland, Ohio.
- Stolz, Rosalie H.M.D., N. Y. Med. Coll. for Women, '85;
Brooklyn.
- Vernon, Isabel Brooklyn.
- Clark, Rev. John Brittan... B.A., Amherst, '86; Union Theological Semi-
nary, '89; Lee Ave. Cong. Church, B'kln.
- Emery, Livingston.....B.A., LL.B., Columbia, '86, '88; lawyer, New
York City.
- Hoxie, Erskine B.....Brooklyn.
- McCune, William E.M.D., N. Y. Homeopathic Med. Coll., '85.
*April 12, 1889.
- Sutton, CharlesB.A., Univ. of the City of New York, '87.—12.

1881.

- Camp, Carrie D.....Brooklyn.
- Nichols, A. Blanche, *Valedict.*... Brooklyn.
- Ingraham, George S.....Brooklyn.
- Vernon, Francis J.....B.A., Yale, '85; Paper Mfr., New York City.—4.

1880.

- Foster, Mary L., *Valedict.*.....(m. Rev. Thomas J. Volentine).
- Graham, Mary.....B.A., Wesleyan, '89; Yale Univ., New Haven,
Conn.
- Plummer, Florence G.....(m. Walter C. Burr), Brooklyn.
- Thackray, Alice M.....(m. Frederick M. Burrell), Brooklyn
- Titus, A. May(m. Geo. W. Bostwick), Montclair, N. J.
- Barker, Otis W.....B.A., Amherst, '84; Tarboro, N. C.

*Deceased.

- Bates, Walter G. B.A., A.M., Columbia, '84, '85. *1893
 Bostwick, George W. Montclair, N. J.
 French, Robert T., Jr. B.A., Amherst, '84; Fairport, N. Y.
 Stevenson, John H., Jr. B.A., Yale, '84; Brooklyn.
 Tuttle, Willard S. M.E., Stevens' Institute of Technology, '84;
 Brooklyn.—11.

1879.

- Barlow, Carrie L. (m. Wm. C. Hendrie), Brooklyn.
 Diefendorf, Mary R. B.A., Cornell, '83; teacher, Brooklyn.
 Everitt, Frankie M. (m. Albert D. Sheridan), Chicago, Ill.
 Meeker, Jessie M. *April 3, 1885.
 Morse, Anna L. B.A., Smith Coll., '83; Brooklyn.
 Sprout, Helen M. Rockville Center, L. I.
 Atwater, William C. B.A., Amherst, '84; Fall River, Mass.
 Blank, Everett N. Brooklyn.
 de Selding, Joel S. Real Estate, New York City.
 Freeman, Oakley B.A., University of the City of New York, '83.
 Frost, Halstead, H., Jr. B.A., LL.B., Columbia, '83, '85; lawyer,
 New York City.
 Glover, Charles G. M.E., Columbia '85. *Jan. 2, 1888.
 Higgins, A. Sidney, Jr. Brooklyn.
 Rae, Alexander. B.A., Amherst, '83; M.D., L. I. Coll. Hos-
 pital, '85; Brooklyn.
 Sheridan, Albert D. Chicago, Ill.
 Vernon, Harold, *Valedict*. B.A., Yale, '83; LL.B., Columbia Law School,
 '85; lawyer, New York City.—16.

1878.

- Bynner, Ada L. (m. F. Davenport), Indianapolis, Ind.
 Foster, Lillian. Teacher, Adelphi Academy, Brooklyn.
 Hammond, Mary G. B.A., Smith Coll., '82; (m. Charles H. Nor-
 throp), Newtown, Conn.
 Hodgson, Annie G. Brooklyn.
 Holcomb, Rosalind O. Brooklyn.
 Malony, Josephine J. New York City.
 Newnouse, Madeline. (m. Samuel Baron), Brooklyn.
 Riggs, Maria L. B.A., Smith Coll., '82; teacher.
 Taylor, Addie L. (m. Lewis German), Flatbush, L. I.
 Tuttle, Minnie L. (m. Wm. Beard), Brooklyn.
 Barlow, George F., *Valedict*. B.A., Harvard, '82; LL.B., Columbia Law
 School, '84. *April 15, 1891.
 Jenkins, Lewis L. M.E., Troy Polytechnic, '82; Newark, N. J.
 Moffat, R. Burnham, B.A., Harvard, '83; LL.B., Columbia Law
 School, '85; lawyer, New York City.

*Deceased.

Moodey, Herbert L.....B.A., Yale, '82; Brooklyn.
Palmer, J. Culbert.....B.A., Yale, '82; LL.B., Columbia Law School,
 '84; lawyer, New York City.
Taylor, John W.... Baltimore, Md.—16.

1877.

Brainard, Carrie R. * Jan. 28, 1879.
Carlisle, Jessie. Brooklyn.
Carly, S. Jennie. Brooklyn.
Croxson, Clara B. (m. James Lounsbery), New York City.
Eppendorf, Lina. Armour Institute, Chicago, Ill.
Marston, Fannie M. (m. Edgar F. Haviland), Brooklyn.
Packard, Fannie T. New York City.
Plummer, Annie L. Brooklyn.
Plummer, Carrie F. (m. Charles S. Burr), Brooklyn.
Utley, Estelle H. (m. Robert M. Dix), Glen Ridge, N. J.
Webster, Minnie. (m. Charles A. Gove), San Francisco, Cal.
Benedict, Edward G. B.A., Williams, '82; lawyer, New York City.
Core, John, Jr. Baltimore, Md.
Dixon, Ephraim W. B.A., Yale, '81, New York City.
Follett, Edgar A. B.A., Marietta Coll., '81; Brooklyn.
Murphy, Starr J. B.A., Amherst, '81; LL.B., Columbia Law
School, '83; lawyer, New York City.
Pearce, Eugene F. B.A., Univ. of the City of New York, '81;
M.D., L. I. Coll. Hospital, '83; Brooklyn.
Rand, Edward G., *Valedict.*. . . . B.A., Amherst, '81. * 1888.
Sessions, Arch. W. B.A., Harvard, '83; lawyer, N. Y. City—19.

1876.

Carlisle, Mary.....* June 20, 1889.
Hulse, Cornelia L.....(m. E. W. Preston.)
Hutchison, Mattie C.....(m. R. W. Stevenson), Brooklyn.
Oliver, Etta L.....(m. E. M. Smith), Brooklyn.
Wood, Mary Ellen.New York City.
Brumley, Avery.....Brooklyn.
Congdon, Albert W.....Ph.B., Sheffield Scientific School, '79.
Crossman, Henry C.....* May 13, 1886.
Dingee, Montgomery H.....Brooklyn.
Freeman, Cuyler.....B.A., Univ. of City of New York ; Brooklyn.
Holmes, Frank S.B.A., Univ. of the City of New York, '81.
Kemp, James F.....B.A., Amherst, '81; M. E., Columbia, '84;
Professor of Geology, Columbia, New
York City.

*Deceased.

- Partridge, Rev. Sidney C. B.A., Yale, '80; Prof. St. John's Coll.,
Shanghai, China.
- Read, Rev. Harry W., *Valedict.*; B.A., Madison Univ., '80; A. M., Ham., '82.
- Sears, Frederick W.
- Vernon, Frederick R. B.A., Yale, '81; lawyer, New York City.
- Vernon, Walter L. * Oct. 24, 1879.—17.

1875.

- Boyle, Emilie S. (m. J. M. Loretz, Jr.), Brooklyn.
- Cole, Georgia F. B.A., Vassar, '80; * May 19, 1881.
- Elwell, Jennie R. (m. Geo. W. Palmer), Brooklyn.
- Gerahty, Eva H. (m. L. K. Thompson), Binghamton, N. Y.
- Guyer, Carrie C. B.A., Smith Coll., '81, teacher.
- Pratt, Lillie R. (m. Frank L. Babbott), Brooklyn.
- Ridgway, Marguerite, *Valedict.* (m. John B. Williamson), Brooklyn.
- Roberts, Josie H. (m. Rt. Rev. F. R. Graves), Shanghai, China.
- Sackett, Harriet S., Director of Dept. of Domestic Art, Pratt Institute,
Brooklyn.
- Sieber, Erna M. Brooklyn.
- Wheeler, Carrie B. (m. W. M. Tyler), Brooklyn.
- Beard, George R. B.A., Amherst, '79; Brooklyn.
- Carson, Rev. Frank M. B.A., Amherst, '79; Union Theological Semi-
nary, '85; Clinton, Ia.
- Davis, Rev. W. W., Jr. B.A., Amherst, '69; East Orange, N. J.
- Folger, Henry C., Jr. B.A., A.M., Amherst, '79; LL.B., Columbia
Law School, '81; lawyer, New York City.
- Hagen, Winston H. B.A., A.M., Amherst, '79, '81; LL.B., Colum-
bia Law School, '81; lawyer, N. Y. City.
- Merwin, Hubert J. M.E., Columbia School of Mines, '79.
- Pratt, Charles M. B.A., Amherst, '79; Standard Oil Co., New
York City.
- Scudder, Rev. Doremus B.A., Yale, '80; M.D., Coll. of Medicine,
Chicago, '84; E. Cong. Church, Brooklyn.
- Sprague, Charles H. LL.B., Boston Univ., '77; lawyer, Boston,
Mass.
- Tighe, Ambrose. B.A. M.A., Yale, '79, '81; lawyer, Minne-
apolis, Minn.
- Vernon, S. Edward Paper Mfr., New York City.—22.

1874.

- Halstead, Alice. (m. C. S. Shepard), Brooklyn.
- Moore, Ella R. B.A., Vassar '79 (m. Rev. Willard H. Rob-
inson), Chicago, Ill.
- Roberts, Jeanie. (m. Wm. H. Wells), Brooklyn.

* Deceased.

- Robinson, Clara.....(m. Rev. Robert T. Liston). *May 18, 1883.
Beard, James T.....C.E., M.E., Columbia, '77; Ottumwa, Ia.
Fuller, Charles H.....B.A., Amherst, '78 ; lawyer, N. Y. City.
Peet, William, Jr B.A., Amherst, '78 ; lawyer, Minneapolis,
Minn.
Plummer, Henry I., *Valedict*...* Dec. 30, 1874.—8.
1873.
Beard, Ira... B.A., Univ. of the City of New York, '79;
Philadelphia, Pa.
Budington, Thomas G.... . . Lehigh Univ., '77 ; Brooklyn.
Halsey, Rufus H.....B.A. Williams, '77; Supt. Schools, Oshkosh,
Wis.
Ives, John H.....Lawyer, New York City.
Morrell, DeWitt C.....B.A., Amherst, '77 ; lawyer, New York City.
Peet, Edward H.....B.A., Amherst. * Nov. 25, 1886.
Thompson, Rev. Isaac M. B. *Valedict.*; B.A.A.M., Univ. of the City of New
York, '77, Milburn, New Jersey.—7.
1872.
Benedict, Wyllys.....B. A., Univ. of Vermont, '76; lawyer, New
York City.
Crowell, Frank W.....* Aug. 16, 1875.
Roby, Eben W.....B.A., Harvard, '77; LL.B., Columbia, '80;
lawyer, New York City.
Vernon, Thomas A.....B.S., Yale, '76 ; Paper Mfr., New York City.
Wallace, William C.....B.A., Wesleyan, '76 ; LL.B., Columbia, '78 ;
M.C. 52d Congress; lawyer, N.Y.City.—5.
1871.
Owen, Henry S.....* Feb. 2, 1872.
* Deceased.

NOTE.—The foregoing list of graduates may need revision in some particulars. It has been made as accurate as possible from the information now at hand. A real favor will be conferred upon the Academy by any one who will send additional or corrected statements of facts about the Alumni, to the Bursar's Office, Adelphi Academy, Brooklyn, N. Y.

The Adelphi Academy Alumni Association.

ORGANIZED JANUARY 3, 1884.

The Academy wishes to acknowledge its debt to this Association for much good will and earnest effort. During the past year there has been devoted to the purchase of new books and apparatus the sum of \$1,000 which was secured through the labors of members of this Association. The Association has also shown a lively interest in the plan to procure a playing-field for the Academy, and its officers and members have contributed time, strength and money for that purpose.

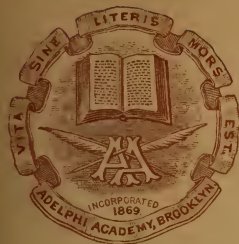
The officers for the ensuing year, 1894-95, are: Mr. Joel S. de Selding, '79, President; Mrs. F. M. Burrell, '80, Vice-President; Miss Freda M. Brunn, '88, Secretary; Mr. Charles P. Hutchins, '90, Treasurer.

FORM OF BEQUEST.

I give, devise, and bequeath unto the Adelphi Academy of Brooklyn the sum of _____ dollars, to be paid to the said corporation by my executors.

3 H
4/95

31 May 95



The Adelphi Academy

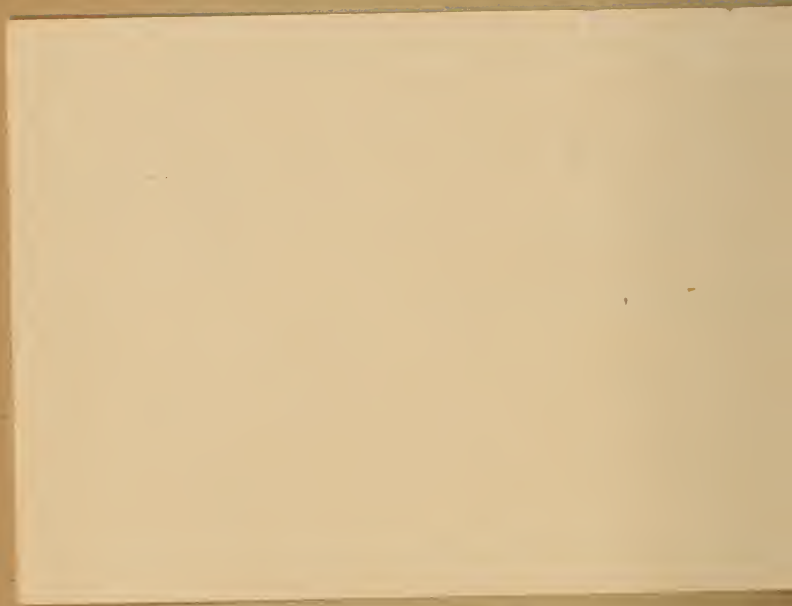
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1894—1895

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THE ADELPHI ACADEMY

Of BROOKLYN,

Lafayette Avenue, St. James Place and Clifton Place.

Twenty-sixth Annual Catalog.

BROOKLYN, N. Y.

1894—1895.

PRESS OF
THE MANUFACTURERS' AND PUBLISHERS' PRINTING CO.,
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THE ADELPHI CALENDAR.

1895—1896.

1895.

June 10 . . .	Monday	Announcement of Prizes and Pro- motions.
June 11 . . .	Tuesday	Commencement Day.
June 12 . . .	Wednesday	Applications for Admission.
Sept. 18 . . .	Wednesday	Fall Term begins.
Sept. 18, 19, 20		Applications for Admission.
Sept. 20 . . .	Friday.	Condition Examinations.
Sept. 23 . . .	Monday	Recitations begin.
Nov. 27		Winter Term begins.
Nov. 28-29 . .	Thurs. and Friday .	Thanksgiving Recess.
Dec. 23 . . .	Monday, to Jan. 3, 1896, Friday, inclusive .	Christmas Recess.

1896.

Jan. 29 . . .	Wednesday.	Spring Term begins.
April 3 . . .	Friday, to April 10, Friday, inclusive .	Easter Recess.
April 8 . . .	Wednesday.	Summer Term begins.
June 8 . . .	Monday	Announcement of Prizes and Pro- motions.
June 9 . . .	Tuesday	Commencement Day. All Legal Holidays are observed.

OFFICE HOURS:

The Principal, daily, after Sept. 16, 9 to 10 A. M.

The Library, session days, 8:30 A. M. to 4 P. M.

The Gymnasium, session days, 9 A. M. to 5 P. M.; Saturdays, at the pleasure of the Director, 9 A. M. to 12 M.

The Bursar, session days, after Sept. 16, 8.30 A. M. to 12 M.; 1.30 P. M. to 4 P. M.

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* Deceased, Nov. 18, 1894.

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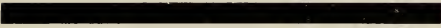
JOHN A. TAYLOR.

Art Committee.

JOHN A. TAYLOR,

JOHN HUMPHSTONE,

E. N. TAFT.



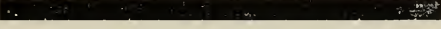
In Memoriam.

EDWIN BEERS.

DIED, NOVEMBER 18TH, 1894.

Extract from the records of the Board of Trustees for February 18, 1895 :

“To the already long list of departed worthies who have been connected with the Board of Trustees of the Adelphi Academy, must now be added the name of Mr. Edwin Beers, one of the original members of the Board and its Treasurer for two years. At the Board meetings he was habitually a regular and punctual attendant, bringing there the same business capacity, the same circumspection, the same fairness which characterized him as a successful merchant. We shall miss his quiet ways as much as we shall miss his wise counsels. As individuals we all have felt the influence of his unobtrusive goodness and of his devotion to duty. To his family we extend our heartiest sympathy in their severe affliction, and beg to assure them that the memory of his example will always go with us as an incentive to a higher measure of faithfulness to the trust committed to us, in which he has shared for more than a quarter of a century.”



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MRS. MARY W. WHITTAKER,	-	Instructor in Free-Hand Drawing.

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FREDERIC REDDALL,	- - - -		Instructor in Vocal Music.
HENRY S. PETTIT, M.D. (L. I. College Hospital. '90), Instructor in Physical Culture and Director of the Gymnasium.			
FRANCES H. FLAGLER,	- - -		Assistant in Physical Culture.
DELWIN F. BROWN,	- - -		Instructor in Penmanship.
EDWIN C. VANDERPOOL,	- -		Instructor in Manual Training.

MABEL A. FARR, - - - - - Librarian.
 JOHN H. SAFFORD, Secretary of the Faculty of the Collegiate Department.
 MRS. HELEN M. WATERS, - - - - - Secretary's Assistant.
 CHARLOTTE MORRILL, - - - - - Bursar of the Academy.

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FOSTER, LILLIAN.....	290 Adelphi Street.
FOSTER, MABEL.....	290 Adelphi Street.
GAINES, ELIZABETH V.....	5 Clifton Place.
HARLOW, LOUISE D.....	148 St. James Place.
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RAWSON, CHARLOTTE.....	9 Clifton Place.
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ROSE, J. T.....	402 Adelphi Street.
SAFFORD, JOHN H.....	Hotel San Carlos, So. Oxford Street.
SCOTT, SARAH E.....	713 Greene Avenue.
SEELYE, B. P.....	131 St. Felix Street.
SELDNER, RUDOLPH.....	217 Jefferson Avenue.
SHARE, W. W.....	331 McDonough Street.
SHIELDS, J. FRANK.....	Hotel San Carlos, So. Oxford Street.
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WEBSTER, W. T.....	394A Lafayette Avenue.
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WHITTAKER, J. B.....	496 McDonough Street.
WHITTAKER, MARY W.....	496 McDonough Street.
WILLIAMS, JOHN P.....	(P. O., Adelphi Academy) Richmond Hill.
WYKES, MARY L.....	104 Cambridge Place.

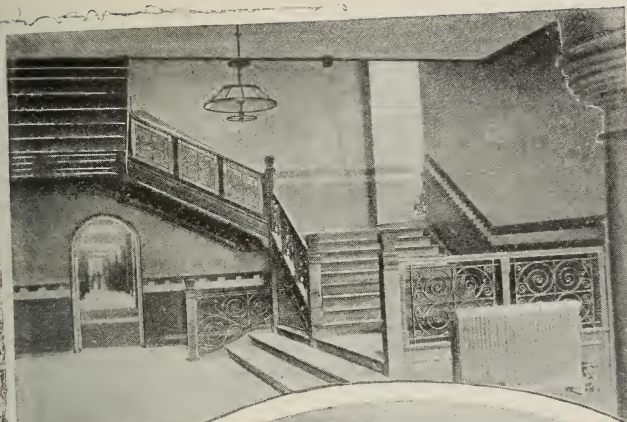


THE ADELPHI ACADEMY.

I. Origin and Development.—The Adelphi Academy sprang from the school which was started by Mr. John Lockwood, in September, 1863, at 336 Adelphi Street. In 1867 the present site of the Academy was purchased, and the corner stone of the first building on Lafayette Avenue was laid by the Rev. Henry Ward Beecher, July 23, 1867. This building was formally opened for use on the fourth day of the following February. The numbers in attendance had increased more than forty-fold in five years. In December, 1869, the school was incorporated as "The Adelphi Academy of Brooklyn." The gentlemen who procured the charter and constituted the first board of trustees were William S. Woodward, Buckley T. Benton, Alfred S. Barnes, Alfred C. Barnes, William H. Wallace, Charles H. Noyes, Charles E. Evans, Henry W. Slocum, Samuel M. Mills, Thomas Vernon, Dr. Joseph C. Hutchison, Charles E. Hill, Enos N. Taft, Rev. Dr. William Ives Budington, John Davol, Charles Pratt, Samuel Crowell, Peter M. Dingee, Dr. Joseph B. Elliot, Samuel Wright, Truman J. Ellinwood.

Many friends of the Academy came to its assistance, and in 1873 the Trustees built the western wing of the Academic Building. In 1880 the eastern wing was added by the generosity of Messrs. Charles Pratt and Hayden W. Wheeler, members of the Board of Trustees.

Six years later the continued interest and liberality of Mr. Charles Pratt enabled the Trustees to erect the new structure on Clifton Place and St. James Place. It was ready for use in September, 1888, and was named in honor of its principal donor, the Pratt Collegiate Building. While the Academy has owed, and does owe, so large an obligation to individuals, it is emphatically the creation and the property of the community in which it is. The list of its benefactors is long and widely representative. It has become a potent moral and educational influence in the lives of thousands of students



careful attention from the time of reaching the building until they leave, and are trained by the most approved methods. They are kept quite separate from the main body of students. A visit to the Kindergarten will prove its best recommendation. There are skilful and approved teachers, a large number of assistants and an ample supply of every needful equipment. The hours of session are from 9 A. M. to 12 M. Parents of the pupils are at all times welcome to the Kindergarten rooms. Other visitors are requested to apply for admission in the Bursar's office. The vacations are the same as in other departments of the Academy.

The Academic Department comprises eight classes, or grades, each one year in duration, and also one intermediate class between the Kindergarten and the first primary grade. Pupils may be admitted to this department who have attained the age of six years or over. The studies of the eighth, or last, year involve what is usually called "the High-School grade" of work in all branches. Rooms and hours of the school session in this department are so arranged that pupils of the four primary grades do not come in contact with other classes.

The Collegiate Department includes four years of study, but the student may select any one of three courses in the department, viz., the Classical Course, the Collegiate Course and the Scientific Course. Elective studies may be chosen in any of these courses, subject to the approval of the Faculty.

The Classical Course affords a thorough preparation for any American university, and graduates from this course who have had the benefit of the whole Adelphi curriculum will be able to take advanced standing.

The Collegiate Course offers a comprehensive and thorough training in Languages, Literature, History and Politics, Philosophy and the Fine Arts, and Natural Science.

The Scientific Course prepares for a business career or for admission to any scientific or technical college. Graduates from this course will have an assured practical knowledge of Physics, Chemistry, Mathematics and its applications in Mechanics and Surveying, while the studies of History and Languages, including the mother-tongue, receive due attention.

The diploma of the Academy is given to every student who completes any one of these prescribed courses. If any regular student in the Collegiate Department goes from the Academy to a college or university, the diploma of the Academy may be granted to him or her in due course upon evidence that an equivalent of the remaining work in the Adelphi curriculum has been satisfactorily performed in the class-rooms of such a college or university.

In the Art Department students may follow any special lines of art work, under most advantageous conditions of light and space.

The Department of Physical Culture offers facilities for outdoor and indoor exercise of all kinds and grades. From the beginning of the Adelphi Academy this Department has performed an important and prominent work in it. The curriculum of this Department is coterminous in years with that of the Academy, and special students are enabled to pursue special lines of exercise under competent direction.

III. Admission of Students.—Applications for admission should be made on June 12, 1895, or on September 18, 19 and 20, 1895, at the Academy. Admission at any time is granted to those who can show evidence of ability to take up the work of any class. Newly admitted students are not finally graded by the results of examinations, but by the evidence of their daily work in class during the weeks immediately following their admission. Every student in the Academy is assigned to a teacher, who exercises careful and constant supervision. Students from other schools who have not had all the studies offered in the earlier years of the Adelphi, may be admitted under special conditions, enabling them to make up the omitted work. Pupils from any other schools applying for admission to the Adelphi Academy should, if possible, present records of rank and latest promotion in the schools which they have been attending.

Persons who wish to enter the Academy for the purpose of studying special subjects must give satisfactory evidence of ability to pursue such studies, and must conform to all rules of order prescribed for those in the regular courses. The privilege of pursuing special subjects will be withdrawn from all who fail to comply with such regulations.

IV. System of Supervision.—Every student in the Academy is directly responsible to some member of the teaching force, who exercises control, subject to the sanction of the Faculty, over the daily work of the students assigned to him or her. In the Collegiate Department such officers are called “class advisers.” The system of Faculty organization enables the Principal to meet every teacher in the Academy every week. In this manner it is intended to secure prompt and accurate knowledge of the scholarship and deportment of every scholar. Parents are requested to coöperate in this work of supervision by communicating freely with the class officers or Principal, and especially concerning the nature and extent of the pupil’s study at home.

V. Attendance and Discipline.—In order to form systematic business-like habits and to make the most of the time devoted to education, pupils are required to be regular and punctual in attendance and in all school duties. A teacher cannot be responsible for the backwardness of those students who allow trifling causes to interfere with their attendance. It is also particularly desirable that the pupil should not lose time during the first few weeks of the school year and at its end. A fortnight more of vacation in Autumn or Spring cannot often be worth the risk of falling behind in studies.

Pupils who have been absent or tardy are expected to state the reason therefor promptly to the teacher in charge of the room. If no reason for absence or tardiness is known to the teacher, or the reason given seems insufficient, notice of such absence or tardiness is immediately sent home. Written excuses signed by the parent are not necessary unless specially requested. It is only desired that parents should know the testimony of the roll books and should coöperate with the teachers in correcting any possible carelessness or delinquency. Students who persist in wrong conduct, or who fail in diligence, will be carefully and kindly warned of the consequences of wrong-doing or of indolence. Parents will also be notified of such deficiencies by the periodical reports or by special information. Students who are disobedient or wilfully inattentive after warnings will be removed from the Academy.

It is hoped that parents will become acquainted with the teachers

who have charge of their children. At the close of each daily session there is opportunity for conference between parents and teachers, but such interviews should not occur during the school session. Time is allowed in every class for some study in school hours. Teachers will remain after the close of a day's session for the purpose of aiding those who deserve and need help. Members of the Collegiate Department and of the upper grades of the Academic Department are expected to study at home daily from one to three hours, according to age and capacity. Every student who is able to pursue a regular course of study is expected to do so.

VI. Records of Rank.—In the Academic Department of the Academy carefully prepared reports are made monthly to the parents, showing the scholarship, punctuality and conduct of each pupil. Parents are requested to examine these reports regularly, sign them promptly, and return them to the Academy. A summary of these reports is kept as a permanent record. In the Collegiate Department similar reports are prepared and sent home at any time if the Faculty orders it, or if the parent requests it.

The teacher uses no marking-book in recitation and no numerical marks are placed upon the reports. It is especially desired that students shall not study merely to get marks or to make a favorable comparison of percentages. Letters instead of figures are therefore used on the reports, in the belief that they allow more room for a teacher's judgment, afford an equally satisfactory record, and operate less as an unhealthy stimulus.

The reports of class-work which are presented to the Faculty weekly throughout the year are made the basis of the final record of scholarship in any subject. Formal examinations at the end of work upon any subject are given only to students who have been absent from the class for some portion of the time and to those who have been delinquent. In thus abolishing formal examinations for the mass of students, and in substituting therefor the evidence of daily work in the class-room, the Faculty of the Academy feels that it is promoting the right kind of scholarship, discouraging that pernicious form of study known as "cramming," and establishing a wise

distinction between those who study faithfully from day to day and those who do not.

At the same time it should be observed that the great frequency of written tests in the ordinary class routine will in the end afford the student all the necessary experience in the work of expressing knowledge upon paper. Finally, it may be emphasized that promotions from class to class in the Adelphi Academy are not the reward of a lucky examination, but may be certainly secured only by diligent and successful labor from one end to the other of the school year.

Students who fail to do satisfactory work may, at the direction of the Faculty, be required to discontinue a study at any time, to make up deficiencies after the close of the school year if possible, and to present themselves for "Condition Examinations" in June or September. The promotion of each student from one year to another is determined by the Faculty of the department or grade to which the student belongs.

VII. Honors, Scholarships and Prizes.—Students in the Collegiate Department and in the Academic Department, pursuing a regular course of study, who have been present through an entire year, with a record of highly creditable work, and whose conduct has been satisfactory, will receive honorary certificates at the close of the year.

The "Charles Pratt Scholarship," the "Hayden W. Wheeler Scholarship," the "E. F. de Selding Scholarship," the "W. S. Woodward Scholarship," and the "Harold Dollner Scholarship," are given annually to such fit persons as may be nominated by the President of the Board, Hayden W. Wheeler, E. F. de Selding, Mrs. W. S. Woodward, and the Treasurer of the Board respectively.

Candidates for said scholarships must have attained the age of fourteen years, or, if under fourteen years of age, must prove, upon examination by the Principal, well qualified to enter the Eighth Academic Grade of the Adelphi Academy.

Scholarships will be renewed to those only who attain a high standard in their work.

Scholars whose record has been and is entirely satisfactory, but

who find themselves prevented by lack of means from continuing their education, are invited to consult with the Principal concerning the possibility of making such arrangements as will enable them to go on with their studies. So far as the resources of the Academy may permit, it is the intention to extend a helping hand to every worthy student who may need assistance.

By gift from Charles Pratt, the income of \$1,000 is applied annually to prizes for improvement in penmanship. These prizes are open to students on full course in all departments.

The same benefactor also established a fund to encourage good reading and elocution. The income is applied to awards for those who have made the most improvement, and also to the providing of new matter for supplementary reading.

VIII. Certificates for Admission to College.—Colleges and universities which admit students upon certificate will accept the certificates of the Adelphi Academy. Among the institutions with which the Academy is thus related are the following: Amherst College, Cornell University, Smith College, Vassar College, Wellesley College, Wesleyan University, Williams College and the Woman's College of Baltimore.



FEES FOR INSTRUCTION.

PER QUARTER, PAYABLE IN ADVANCE.

No extra charges in any study of the required course except for Materials used in the Laboratories.

Kindergarten. First and second years, each per quarter - - \$10.00

Academic Department.

Intermediate Grade -	\$12.50	Fifth Grade - - -	\$24 00
First Grade - - -	12.50	Sixth Grade - - -	28.00
Second Grade - - -	15.00	Seventh Grade - - -	32.00
Third Grade - - -	17.50	Eighth Grade - - -	37.50
Fourth Grade - - -	20.00		

Collegiate Department, - - - - - \$40.00

Rates for children of resident clergymen officiating in the city of Brooklyn, and of Principals of Brooklyn Public Schools, half-price.

Tuition is payable at the Bursar's office in the Academic Building.

No Deduction is made for absence of less than a half-term; in case of consecutive absence of five weeks or more, tuition for one-half the time will be refunded.

Special Students who attend one class recitation only, pay \$15 a quarter for each branch pursued. Special students in the sciences are entitled to the same amount of laboratory work as that which is required of regular students; for extra work in the laboratories they pay \$10 a quarter for each additional period.

Special students in the Gymnasium pay \$9 a quarter for three lessons a week, and \$6 a quarter for two lessons a week.

Any student who has more than two studies, who occupies a seat in the school and has the benefit of the general exercises, is considered regular, and pays full tuition bills. No special student is received for less than one quarter.

Special Fees. The fee for instruction in the Kindergarten Training Class is \$100 per annum. There are no extra charges.

For instruction in Drawing or Painting the fee is \$10 per term for a half-day session three times a week, or \$15 for the whole-day session.

The fee for instruction in the Manual Training Class is \$8 per term. For pupils who purchase the tools that they use, the fee is \$6.

The Academy maintains a Book Room where all books and stationery may be purchased by the students for cash.

Students in the Chemistry classes will make a deposit of \$5 to cover waste and breakage. In the Biology classes a deposit of \$3 is required.

THE COURSE OF STUDY.

The catalog of 1893-94 announced a new course of study for the Adelphi Academy, and invited attention to certain salient and interesting features of the proposed curriculum. The new schedule has now endured the test of a year of trial, and it is possible to speak with some confidence of the results that have been obtained.

Those who desire for their children the best advantages of a rational and liberal training are asked to observe these facts concerning the Adelphi :

1. The study of the modern languages is begun in the primary grades, and every Adelphi pupil may obtain a fair knowledge of French and German before entering the Collegiate Department.

2. The study of Latin is begun in the Sixth Academic Grade and the study of Greek, in the Eighth.

3. The important studies are continuous. Mathematics, English, and the sciences show an unbroken progression. History is almost equally honored. Moreover, German may be studied for eleven years, French for nine years, Latin for seven years, Greek for five years, Physics for five years, Chemistry for four and a half years, Biology and related subjects also for four and a half years, Spanish for two years.

4. The correlation of studies is systematically arranged upon the basis of History and Geography, so that the student's attention is concentrated upon one subject, while he is receiving instruction in History, Geography, Science, and Language.

5. Geometry is studied from the beginning by laboratory methods. It is made practical because it is introduced as a study of constructions.

6. To the former admirable laboratory facilities of the Academy, a new biological laboratory is now added, and it is in complete working order. Biology is the science which deals with life, and is, therefore, most closely connected with the study of life in history and literature. It is also the science that is most intimately concerned with woman's work in the world. The extended study of Biology with laboratory equipment is the best possible preparation for the study of

medicine, and hence this course is recommended to the careful attention of any one who thinks of entering subsequently into the ranks of the medical profession.

7. The plan of the new curriculum has enabled the Academy to show to its classical students an impartial justice. None of them may as heretofore, graduate earlier than their classmates in the other courses, and at the same time all of them who are successful and regular students in any of the classes will become Adelphi graduates in due course. In this way the Adelphi will retain in its companionship and upon its roll of graduates many students who were formerly lost to the Alumni Association because they left the Academy at the close of some other year than the senior middle. The classical department has also profited much by the changes which placed the beginning of both Latin and Greek earlier in the course than formerly. There is now ample time for that careful, painstaking introduction to the elements of these languages which is the only sure passport to the later successful study of the language and literature.

8. When the Pratt Collegiate Building was erected, a room therein was destined for use as a manual training work room. Not until this year, however, has the right moment presented itself for the realization of that intention. Heretofore a wide gap has been left between the primary manual training in paper and clay, and the manual training of the scientific laboratories of the Collegiate Department. That gap has been filled by the establishment of a class in woodworking and design, which has been thrown open to all members of the Academic Department above the third grade. Manual training of this sort at the Adelphi is not intended to provide anything more than a laboratory course for the Academic Department. It opens the door for the new study of geometry in that department; it affords a basis for the work in drawing; above all, it is only the natural and rightful continuation of that eye-and-hand-discipline which distinguishes kindergarten and primary work.

Science-study, form-study and number-study have now a visible foundation in laboratory work and laboratory methods of study from one end of the Adelphi curriculum to the other.

9. Attention is invited to the list of reading-books adopted for use in the academic grades. See pp. 61-65.

CONSPICUOUS OF STUDIES.

Subject to modifications made necessary by transition from old curriculum and by requirements of time-tables.

THE KINDERGARTEN.

1. The Songs and Games of the Kindergarten introduce the study of Natural Science, stimulating the imagination, developing a sympathy with nature, and suggesting the highest ideals in thought and action.
 2. The Gifts form the basis of Mathematical Science, illustrating the solid, surface, line and point. The pupil acquires from the Gifts a knowledge of geometric forms and of different combinations of number.
 3. The Occupations apply the principles that underlie the Gifts and cultivate a taste for the beautiful in form and color, training the eye and hand to work in unison with the mind; learning comes by doing. Color music is used, including also exercises in breathing.
- The Kindergarten training seeks to develop inventiveness, thoroughness, sympathy and generosity, power of concentration and power of language and reason. The right beginning is half the battle.

ACADEMIC DEPARTMENT.

A transition year for pupils who are not yet mature enough for the tasks of the first primary grade. Pupils learn to read and write and receive instruction in elementary number work. In addition there is advanced kindergarten work in drawing, modelling, and observation lessons.

	I. Language.	II. History.	III. Geography.	IV. Science Study.	V. Æsthetic.	VI. Number Work.
<i>2nd Grade.</i> Session 8:50 to 10:00. Periods arranged on half-hour basis.	1. English Words and Sentences. Phonic Analysis. Story Telling. Script Readers. Spelling. 15 Periods a week	1. Stories included in (I).	1. Natural Features. Stories and Conversation included in (I).	Color, Outline, Size. Divisions: Mineral, Vegetable, Animal. The Succession of Seasons. Weather. 4 periods a week.	1. Drawing. (Script Readers.) 2. Writing. 3. Singing. 4. Physical Culture. Callisthenics. 8 to 11 periods a week.	Numeration. The Four Fundamentals. Units of Measure, Weight, Space, United States Money. Simple Fractions. Relations of Number: First to Form (IV) and Second to Measurements. 7 periods a week.
<i>2d Grade.</i> Sessions and periods as above.	1. English.—As before. Nature Readers. Spelling and Punctuation. 10 periods a week. 2. In 1895-96, choice of either French or German.—Conversation. 4 periods a week.	Stories of typical characters, included in (I).	Points of Compass, facts of Climate, the world and its hemispheres. Physical Geography of the continents begun with North America. 4 periods a week.	The Human Body. Talks upon Climate and Geology, following Geographical progress. Elementary Science and Natural History. 2 periods a week.	As before, 8 to 11 periods a week.	As before. 6 periods a week.
<i>3d Grade.</i> Sessions and periods as above.	1. English.—Spelling, Written and Oral. Nature Readers, Geography Readers, History Readers. Hyde No. 1. 9 periods a week. 2. German.—Conversation and Reading. 4 periods a week.	Stories and Historical Readers included in (I). Heroes, and beginnings of American History.	Complete foregoing study of continents. Study of United States begun. Geography Readers. 4 periods a week.	Elementary Science and Natural History. 2 periods a week.	As before, 8 to 11 periods a week.	As before, including the development of Fractions. 6 periods a week.

ACADEMIC DEPARTMENT.—Continued.

<i>4th Grade.</i> Sessions 8:50 to 12 and 1 to 2:30. Periods on half-hour basis.	I. Language.	II. History.	III. Geography.	IV. Sci. Study.	V. Æsthetic.	VI. Math.
	1. English.—Hyde No. 2, Oral & Written Exercise. Readers as before. 9 periods a week. 2. German.—4 periods a week. 3. French.—(In 1896-97.)	Historical Readers included in (I). U. S. History.	Political and Descriptive of No. and So. America. 4 periods a week.	Zoölogy and Botany of America. 2 periods a week.	5. Manual Training. Optional, 2 hours. 6. Elocution. As before, 8 periods a week.	As before, Fractions, Factoring, Decimals. Compound Quantities. 6 periods a week.
<i>5th Grade.</i> Sessions and periods as above.	1. English.—Hyde No. 2, Grammatical Structure, Word Study, Spelling, Abstracts of Reading, Composition. Read as before. 10 periods a week. 2. German.—(In 1896-97.) 3. French.—4 periods a week.	Historical Readers included in (I). General History.	Europe. 4 periods a week.	Zoölogy and Botany of Europe. 2 periods a week.	As before, 7 periods a week.	Decimals, Percentage. 6 periods a week.
<i>6th Grade.</i> Sessions 8:50 to 12 and 1 to 2:40. Periods on half-hour basis.	1. English.—As before. Analysis of sentences. Selected masterpieces of English Literature. 8 periods a week. 2. German.—3 periods a week. 3. French.—3 periods a week. 4. Latin.—Oral practice. Grammar, Lesson book. 3 periods a week. Of 2, 3 and 4, two may be chosen.	History of the English race. 4 periods a week.	Asia and Africa. 3 periods a week.	Zoölogy and Botany of Asia and Africa. Physical Geography and Geology. 2 periods a week.	As before, 6 periods a week.	Percentage, Review. 6 periods a week.
<i>7th Grade.</i> Sessions and periods as above.	1. English.—Analysis, Compositions. Rhetoric, Literature as before. 8 periods a week. 2. German.—3 periods a week. 3. French.—3 periods a week. 4. Latin.—4 periods a week. As before, two may be chosen.	History of the English race. 4 periods a week.	Australia, Polynesia and Review. 2 periods a week.	Physics. 2 periods a week.	5 periods a week. Drawing or Bookkeeping optional. Physical Culture, 2 periods.	Elementary Geometry. 7 periods a week.
<i>8th Grade.</i> Sessions as above. 50 minutes.	1. English.—Review of Literature. Composition. 4 hours. 2. German.—3 hours. 3. French.—3 hours. 4. Latin.—4 hours. 5. Greek.—Lesson book. 4 hours. Two, besides English, may be taken.			Chemistry, 1st Sem. 2 hours. Physiology, 2nd Sem. 3 hours.	2 hours. Drawing or Bookkeeping optional. Manual Training as before. Physical Culture as before.	Algebra to quadratics. 1st Sem., 3 hours; 2nd Sem., 4 hours. Arithmetic, Review. 1st Sem., 2 hours.

COLLEGIATE DEPARTMENT.—Junior Year.

Classical.	Hours Per Week.	Collegiate.	Hours Per Week.	Scientific.	Hours Per Week.
I. English. Latin. Greek. French, . . . o. German, . . . o.	2 4 4 3 3	English. Latin, . . . o. German, . . . o. French, 1 chosen.	4 4 3 3	English. Latin, . . . o. German, . . . o. French, 1 chosen.	2 4 3 3
II. History of Greece and Rome.	3	History of Greece and Rome.	3	General History.	2
III.		1st Sem. Physiography. Botany, 2d Sem. Physics.	3 3 3	Physics. Chemistry.	3 3
IV. Æsthetic. Elocution required ; others, optional.	1		1		1
V. Algebra completed.	3			Algebra completed.	3

Junior Middle Year.

I. English. Latin. Greek. French, . . . o. German, . . . o.	2 4 4 3 3	English. Latin, . . . o. German, . . . o. French, . . . o. Spanish, 1 chosen.	3 4 3 3 3	English.—1st Sem. In 1895-96, through the year. Latin, . . . o. German, . . . o. French, . . . o. Spanish, 1 chosen.	3 4 3 3 3
II.		Hist. of Mediæval Europe. 1st Sem. Civil Government, 2d Sem.	3	Civil Government, 2d Sem. (omitted in 1895-96).	3
III. Physics. In 1895-96, Ancient History.	3	Zoölogy. Chemistry.	3 3	Chemistry. Physics.	3 3
IV. Æsthetic.	1		1		1
V. Plane and Solid Geometry.	3	El. Logic. 1st Sem. El. Ethics and Psychol. 2d Sem.	2 2	Plane and Solid Geometry. Mech. Drawing,	3 2

Æsthetic.—Music, Drawing, Elocution, Delsarte. Physical Culture, 2 hours per week. o=Optional.

COLLEGIATE DEPARTMENT.—Senior Middle Year.

Classical.	Hours PerW'k	Collegiate.	Hours PerW'k	Scientific.	Hours PerW'k
I. English.	3	English.	3	English.	2
Latin.	4	Latin, . . . o.	4	German, . . . o.	3
Greek.	4	German, . . . o.	3	French, . . . o.	3
German, . . . o.	3	French, . . . o.	3	Spanish, . . . o.	3
French, . . . o.	3	Spanish. . . . o.	3		
II. (In 1895-96) Mediæval History. . . o.	3	(In 1895-96) Mediæval History. . . o.	3	(In 1895-96) Mediæval History. . . o.	3
Later, Social Hist.		Later, Social Hist.		Later, Social Hist.	
Political History of England and United States. . . . o.	3	Anc. and Med. Art. Political History of England and U. S.	2 3	Political History of England & United States.	3
III. Physics, . . o	3	Mineralogy and Botany, . . . o.	3	Mineralogy and Botany, . . . o.	3
Chemistry, . . o.	3	Biology, Comparative Anatomy and Physiology.	3	Zoölogy, . . . o.	3
				Physics.	3
				Chemistry.	3
IV. Æsthetic, . . o.	1		1		1
V. Math. Review.	3			Trigonometry with Surveying and Mechanical Drawing.	3
14 hours required. 3 more to be chosen.		14 hours required. 3 more to be chosen.		14 hours required. 3 more to be chosen.	

Senior Year.

Choose one: { I. English, . . . o.	3	English, . . . o.	3	English, . . . o.	3
Latin.	4	Latin, . . . o.	4	German, . . . o.	3
Greek.	4	German, . . . o.	3	French, . . . o.	3
German, . . . o.	3	French, . . . o.	3	Spanish, . . . o.	3
French, . . . o.	3	Spanish, . . . o.	3		
II. Modern History and Politics.	3	Modern History and Politics.	3	Modern History and Politics. . . o.	3
Political Economy and Sociology.	3	Political Economy and Sociology, . . o.	3	Political Economy and Sociology.	3
III. Astronomy and Geology, . . . o.	3	Astronomy, 1st Sem., . . o.	3	Astronomy and Geology, . . o.	3
		Geology, 2d Sem., . o.	3	Physics, . . . o.	3
		Higher Biology, . o.	3	Chemistry, . . o.	3
		At least one Science to be chosen.		Six hours required.	
IV. Æsthetic, . . o.	1		1		1
V. Trigonometry and Calculus. . . o.	3	History & Elements of Philosophy and Psychology.	3	Analytical Geometry and Calculus, . o.	3
				Mech'nical Design, o.	3
				One must be chosen.	
VI. History of Education. 1st Sem. o.	3	1. History of the Fine Arts in Modern Times.	2		
History of Commerce and Industry. 2d Sem, . . . o.	3	2. History of Education. 1st Sem., . o.	3		
		Hist. of Commerce and Industry. 2d Sem., . . . o.	3		
10 hours required. 7 more to be chosen.		11 hours required. 6 more to be chosen.		12 hours required. 6 more to be chosen.	

Æsthetic.—Music, Drawing, Elocution, Delsarte. Physical Culture, 2 hours per week.
o.=Optional.

SUMMARY OF STUDIES, BY DEPARTMENTS.

I. Department of English : LANGUAGE AND LITERATURE.

The continuous English work in the Academy, from the First to the Seventh Grade inclusive, carries the pupil through a large amount of reading in History, Literature, Geography, and Natural Science. It is expected that the scholar will study English, so far as possible, by the laboratory method, by reading, repeating, discussing, and if possible, *feeling* many of the masterpieces of the mother tongue. Above the Seventh Grade the English studies of the Classical students are, necessarily, partly governed by the requirements for admission to college. In general, however, the plan for all Courses is substantially as follows :

1. Eighth Grade. Selected Works of XIX. Century authors, American and British; Irving, Hawthorne, Longfellow, Whittier, Lowell, Warner, Parkman, George Eliot, Scott, Kingsley, Tennyson. Compositions. Three hours a week.

2. Junior Year. The Literature of the XIX. Century, with the special study of Style. Compositions. In the Classical and Scientific Courses, two hours a week; in the Collegiate Course, four hours a week.

3. Junior Middle Year. Origins and History of the English language and study of the earlier literature, from Chaucer through the XVI. Century. Compositions. Collegiate and Scientific Courses, three hours a week; Classical Course, two hours a week.

4. Senior Middle Year. Literature of the XVII. and XVIII. Centuries, from Shakspeare through the Puritan period and the age of Queen Anne. Special study of the Drama. Compositions. All Courses, three hours a week.

5. Senior Year. Literature of the XVIII. and XIX. Centuries, from the age of revolution to the present time. Special study of the Essay and the Novel. Compositions. All Courses, three hours a week.

II. Department of Modern Languages. A. THE FRENCH LANGUAGE AND LITERATURE. The French instruction in the Fourth and Fifth grades is chiefly oral. Especial attention is given to the acquisition

of a correct pronunciation, and of a vocabulary for common use. There is some reading of easy French, as in *Premières Lectures des Enfants* and *Anecdotes Nouvelles*. There is practice in writing French and in committing short passages to memory. The study of French in the Academy is not a mere matter of memorizing. From the beginning, it is treated as a valuable educational instrument, and it is used to awaken and quicken the pupil's reasoning powers, and to enforce the important lessons of other studies.

1. Sixth Grade. Reading and Conversing. Systematic drill, oral and written, in the elements of the language. Drill Book A. Three times a week.

2. Seventh Grade. Drill Book A finished. Reading and Conversing; simple compositions in French. Three times a week.

3. Eighth Grade. Drill Book B; rapid reading of short stories (*Jeune Sibérienne*, *Chien du Capitaine*, etc.); translation from English into French; dictation exercises. Three hours a week.

4. Junior Year. Reading of French histories, with discussions and exercise in translation. Optional. Three hours a week.

5. Junior Middle Year. French Literature, XIX. Century (*Manuel de Littérature Française*); letter-writing, discussions. Optional. Three hours a week.

6. Senior Middle Year. French Literature, XVIII. Century; collateral reading; French compositions. Optional. Three hours a week.

7. Senior Year. French Literature, XVII. Century, as before. Optional. Three hours a week.

B. THE SPANISH LANGUAGE.

It is intended to provide sufficient instruction in Spanish to enable the pupil to talk and read the language. The plan of work will have especial reference to the probable use of Spanish in trade, and, as soon as possible, the class is set to reading current newspapers published in Spanish. This subject is optional for any Collegiate student, and the Course in Spanish extends through at least two years.

C. THE GERMAN LANGUAGE AND LITERATURE.

Prior to the Sixth Grade, the Adelphi student may have instruction in German through four years, and he should become the master of a considerable vocabulary. During the year 1895-96, on account of the necessary transition from the old to the new course of study, there will be no instruction in German in the Fifth Grade.

The instruction in German in the second and third primary

grades is begun with the use of large colored pictures, from which are taught the names of the persons and objects portrayed, with appropriate adjectives, verbs, and phrases of position.

Gradually, a few simple songs are learned, poems committed to memory, and guessing games played. Later, simple stories are told, and reproduced by the children. Object lessons on simple plant and animal life are also given in German.

From the beginning, the words learned are made the basis of reading lessons, which are written on the board and read by the children at sight.

As a result of the instruction in the primary grades during the past year, the children have acquired the ability to use about two hundred and fifty words in conversation and description, and to recognize one hundred and fifty words more when used in stories told to them. In all over *four hundred* words are recognized. The children are also able to read over three hundred and fifty words in lessons written on the board.

1. Seventh Grade. Joynes-Meissner's Grammar, Part I. Von Eichendorf: Ausdem Leben eines Taugenichts. Selections from Hauff's Die Karavane. Conversation and simple compositions.

2. Eighth Grade. Leander's Träumereien. Otis' Grammar. Van Daell's Preparatory Reader.

3. Junior Year. Joynes-Meissner's Grammar, Part II. Schiller's der Neffe als Onkel, and Wilhelm Tell. Conversation and composition. Lectures in German.

4. Junior Middle Year. Whitney's Grammar. Lessing's Minna von Barnhelm, Paul Heyse's die Blinden. Conversation and composition. Lectures: Study of poems.

5. Senior Middle Year. Whitney's Grammar and German Reader; Goethe's Iphigenia; Herman Grimm's Essays. Conversation and composition. Lectures.

6. Senior Year. Whitney's Grammar and Reader; Gustav Freitag's Soll und Haben. Reading of German periodicals. Conversation and composition. Lectures.

III. Department of Ancient Languages. A. THE LATIN LANGUAGE AND LITERATURE.

1. Sixth Grade. Oral practice. Etymologies. Lesson Book. Gradatim. Three times a week.

2. Seventh Grade. Gradatim. Grammar. Four times a week.

3. Eighth Grade. First Latin Readings. Nepos. Four hours a week.

4. Junior Year. Classical Course. Optional in Collegiate and Scientific courses. Cicero's Orations and Letters. Ovid. Sight Reading, especially in Cæsar. Latin Composition. Four hours a week.

5. Junior Middle Year. Classical Course. Optional in Collegiate and Scientific Courses. Cæsar, Cicero and Vergil. Sight Reading. Latin Composition. Four hours a week.

6. Senior Middle Year. Classical Course. Optional in Collegiate Course. Vergil. Sight Reading and Reviews. Latin Composition. Four hours a week.

7. Senior Year: Optional in Collegiate and Classical Courses. Advanced Reading. Three hours a week.

B. THE GREEK LANGUAGE AND LITERATURE.

1. Eighth Grade. Optional, but required for admission to Classical Course. Lesson Book. Three hours a week.

2. Junior Year. Classical Course. Lesson Book. Xenophon's Anabasis. Sight Reading. Greek Composition. Four hours a week.

3. Junior Middle Year. Classical Course. The Anabasis and Hellenica. The Iliad begun. Sight Reading. Greek Composition. Four hours a week.

4. Senior Middle Year. Classical Course. Homer and Herodotus. Sight Reading. Greek Composition. Four hours a week.

5. Senior Year: Optional in Classical Course. Advanced Reading.

IV. Department of History and Politics. Prior to the Sixth Grade, a large part of the required work in reading, and in the study of English is based upon historical readers and historical stories suitable for young students. Throughout the Sixth and Seventh Grades the History of the English Race is a required study, comprising the social and political history of the English race in all its homes. The work is conducted topically and by reference readings so far as possible. In the Eighth Grade historical reading and study are interwoven, so far as possible, with the required work in English and other languages.

1. Junior Year. Classical and Collegiate Courses. History of the Greek and Roman Nations and Civilization. Myers' Ancient History. Three times a week.

2. Junior Year. Scientific Course. General History. Myers' Text Book. Two hours a week.

3. Junior Middle Year. Collegiate Course. Mediæval History The Origins and Development of Germany, France and Italy throughout the Middle Age. Myers' Mediæval History and Emerton's "Introduction to the Middle Ages," and "Mediæval Europe." Three times a week, first half-year.

4. Junior Middle Year. Scientific and Collegiate Courses. Political Science. The Study of the Nature and Origins of the Political Institutions of the United States. John Fiske's Civil Government. Three times a week, second half-year.

5. Senior Middle Year. All Courses in 1895-6. Mediæval History, as above. See Junior Middle Year. After 1895-96, History of Social Institutions, the Beginnings and Development of Civilized Society and States. Tylor's Anthropology. Morris' Aryan Race. Three times a week. Optional in Classical and Scientific Courses.

6. Senior Middle Year. All Courses. Political History of England and the United States. The development of free institutions among the English-speaking races. Green's Short History of the English People. John Fiske's, Schouler's and McMaster's Histories of the United States. Three times a week. Optional in Classical Course.

7. Senior Year. All courses. Modern History and Politics. Syllabus of Reference Reading. Discussions and Papers. Epochs of Modern History Series. Mueller's Political History of Recent Times. Three times a week. Optional in Scientific Course.

8. Senior Year. All courses. Political Economy and Sociology. Economic history and science and studies of applied economies. Gide's Political Economy. Ely's Outlines of Economics. Rae's and Laveleye's books on Contemporary Socialism. Laughlin's History of Bimetallism. Taussig's Tariff History. Three times a week. Optional in Collegiate Course.

9. Senior Year. History of Education. History of pedagogical theory and practice, with especial reference to the history of education since the time of Rousseau and Pestalozzi. Compayré's History of Pedagogy. R. H. Quick's Educational Reformers. Three hours a week, first half year. Optional in Collegiate and Classical Courses.

10. Senior Year. History of Commerce and Industry. A study of the history and development of traffic-routes, and of the changes wrought in industry by the inventions of the last century. Cunningham, Yeats and Gibbons. Three hours a week, second half year. Optional in Collegiate and Classical Courses.

11. General History. For the Junior Class in the Kindergarten Training Course, with especial reference to educational history. Reference reading and discussion, weekly through the year.

12. History of Education. Topical Study, with reference readings for the Senior Class in the Kindergarten Training Course.



V. Department of Natural History. Prior to the Seventh Grade there is continuous instruction of a concrete nature in Botany and Zoölogy, as well as in the elements of general science. In such classes the student's powers of observation have been trained by the actual use of objects and of pictures, but after the Sixth Grade a more formal study of Biology begins, and leads as rapidly as possible to regular laboratory work. The object of the course in Biology is to reveal the broad characteristic phenomena and the laws of life, as they are illustrated by the thorough comparative study of a series of plants and animals taken as representative types.

Every effort is used to make the student discover facts and their relations for himself, and to express them accurately by means of drawings, written notes and oral descriptions.

1. Eighth Grade. Physiology. A careful study of the organs of the body, with some comparative investigation and with special references to the care of the body and to the ways and means of securing health. Experiments and dissections. Martin's Human Body, briefer course. Three hours a week, second half-year.

2. Junior Year. Collegiate Course. Physiography. This course includes the study of the earth in the universe and solar system, the structure and formation of the earth, the various phenomena exhibited by it, their relations, causes and consequences. Lectures and recitations three hours a week.

Text Book, Hinman's Eclectic Physical Geography. References Guyot's Earth and Man, Réclus' The Earth, Ritter's Physical Geography.

3. Junior Year. Collegiate Course. General Botany. Preliminary study of some of the familiar flowering plants is given by way of introduction. Then the class begins the study of the protophytes and takes up the more important orders which follow in their natural sequence. After learning the chief characteristics of structure and the development of the main vegetable groups, the rest of the term is occupied with plant physiology and practice in analysis and dissection.

Recitations and Laboratory, five hours a week.

4. Junior Middle Year. Collegiate Course. General Zoölogy. This course aims to give a comprehensive view of the principal classes of the animal kingdom. The embryology as well as the adult anatomy of typical forms is carefully studied. Sufficient work in systematic zoölogy is required to insure a knowledge of the relationships and classification of animals.

Recitations and Laboratory, five hours a week. Optional also in Senior Middle Year Scientific course.

5. Senior Middle Year. Collegiate Course. Comparative Anatomy and Physiology.

The Fall and Winter terms include the study of human and comparative Osteology and the embryology of the chick. The second half-year is devoted to Physiology. The microscopic structure and mode of working of the principal component tissues of the human body are thoroughly studied. Particular attention is given to the structure and functions of the central nervous system and special sense organs, in view of the subsequent study of Psychology. Practical application of the whole work of the year is made in a short course of Hygiene during the last weeks of the semester. Recitations and laboratory, five hours a week.

6. Senior Middle Year. Collegiate and Scientific Courses. Botany, Gray text books. In addition to the text books and lectures, students in the laboratory study, sketch and describe the germination of common seeds, and a series of microscopical preparations illustrating plant histology, the cell, tissues and tissue systems, the mode of growth and the products of the plant. Optional. Three hours a week, second half-year.

7. Senior Year. Collegiate course, Higher Biology. It is believed that after two years and a half of continued biological study the class will have developed a preference for some special branch of the science. One of the following courses may be selected:

Cryptogamic Botany, Comparative Embryology or Theoretical Biology. Three hours a week.

A. Mineralogy and Geology, at present under the charge of the head of the Department of Chemistry.

1. Senior Middle Year. Mineralogy and Blowpipe Analysis. Optional. All Courses. Crystallography, measurement of crystals. Physical and chemical properties of minerals, descriptive mineralogy, blowpipe analysis, determinative mineralogy.

Lectures, recitations and laboratory work, six hours a week, first half-year. References: Dana's Mineralogy, Williams' Elements of Crystallography, Brush's Determinative Mineralogy and Blowpipe, Moses' Tables for Blowpiping, Moses' Tables of Minerals. Plattner's Blowpipe Analysis.

2. Senior Year. Geology. Optional. All Courses. Dynamical Geology: Study of causes which have modified the earth's surface. Structural geology, petrography and petrology, distribution of strata. Historical geology, progress of life upon the earth's surface, paleontology, distribution of fossils, evidences of the antiquity of man.

Lectures, recitations, etc. Three hours a week, second half-year. Text-book: Le Conte's Geology. References: Geikie's Geology, Winchell's Geologies, Dana's Geology.

VI. Department of Chemistry. The study of Chemistry begins

in the Eighth Grade, for all the students of the Academy. Thereafter the students in the Scientific Course continue the study throughout the four years of the Collegiate Department. The students in the Classical and Collegiate Courses continue for one year the study of general chemistry begun in the Eighth Grade, doing considerable laboratory work in connection with their class-room exercises. The laboratory work for the Scientific Course begins with the Junior year and continues to the end of the course.

1. Eighth Grade. Lectures and Recitations on general chemistry, twice a week, first half year.

2. Junior Year. Scientific Course. Elementary Inorganic Chemistry. General principles, nomenclature, properties of the elements, preparation and manipulation of gases, etc. Elementary qualitative analysis, tests for bases and acids, analysis of simple salts, preparation and properties of chemical compounds.

Lectures, recitations and laboratory work, six hours. Required also in the Junior Middle Year, Collegiate Course. Text-book: Remsen's Chemistry. References: Roscoe and Schorlemmer's Chemistry, Fowne's Chemistry.

3. Junior Middle Year. Qualitative analysis of liquid and solid mixtures, commercial products, minerals and ores. The whole year is devoted to practical analysis, the preparatory work having been done in the Junior year.

Lectures, recitations and laboratory work, six hours. Text-book: Prescott and Johnson's Qualitative Analysis. References: Fresenius's Qualitative Analysis, A. H. Elliott's Qualitative Analysis.

4. Senior Middle Year. Quantitative Analysis. Preparatory course on methods: Analysis of substances of known composition. General course: Analysis of metalliferous ores, minerals, alloys, commercial products, natural and artificial fertilizers, drinking waters, gases, furnace products, etc. Assays of gold and silver ores. Volumetric, colorimetric and electrolytic methods for quantitative analysis.

Lectures, recitations and laboratory work, six hours. References: Cairns' Quantitative Analysis, Fresenius' Quantitative Analysis, Thorpe's Quantitative Analysis, Crookes' Select Methods, Blair's Iron and Steel Analysis, Ricketts' Notes on Assaying, Brown's Manual of Assaying, Sutton's Volumetric Analysis, Leffmann and Beam's Water Analysis.

5. Senior Year. Optional. Organic Chemistry, manufacture and properties of organic compounds. Elementary organic analysis. Analysis of milk, butter, sugar, spirits, etc. Advanced quantitative analysis: Special methods.

Lectures, recitations, laboratory work, six hours. Text-book: Remsen's Organic Chemistry. References: Prescott's Proximate Analysis, Prescott's Organic Analysis, Crookes' Select Methods, Wiechmann's Sugar Analysis.

Post Graduate Course. Technical Chemistry. Special work in organic chemistry or analysis.

VII. Department of Physics.—Particular attention is given to the proofs of principles and laws, numerous experimental illustrations and applications are made, and the solution of many practical problems is required. The doctrines of the correlation of forces and the conservation of energy are made the center of the system. The course aims to explain the phenomena of nature, to convey practical information concerning the numberless applications of this science to daily life as well as to discipline, and to train the mind in the exact methods of modern science.

In the laboratory the work is mostly quantitative and demonstrative rather than illustrative. Its purpose is to teach careful manipulation and the methods by which physical determinations are made.

The course is divided as follows:

1. Seventh Grade. Lectures with experiments and recitations embracing elementary principles and their application to natural phenomena. Two periods a week.

2. Junior Year. Scientific Course. Elementary Mechanics, Heat and Electricity. Much time will be devoted to laboratory work. Carhart and Chute's Physics. Gage's Laboratory Course. Recitations, lectures and laboratory, six hours a week.

3. Junior Year. Collegiate Course. General Physics, an elementary course covering all branches of the subject, principally recitations and lectures, though some laboratory work will be given. Carhart and Chute's Physics. Recitations, lectures and laboratory, six hours a week.

4. Junior Middle Year. A. Classical Course, same as No. 3, above.

B. Scientific course. First half-year. Sound and Light. Text-books as in Junior Year.

Second half-year. Woods' Mechanics. Sabine's Laboratory Course. Additional laboratory exercises from Stewart and Gec's Practical Physics, Vol I. Recitations, lectures and laboratory, six hours a week.

5. Senior Middle Year. A. Classical Course. Largely a labora-

tory course, completing preparation for the highest requirements for admission to college. Optional. Three hours a week.

B. Scientific Course. Sound and Heat, Deschanel, Vol. II. Sabine's Laboratory Course. Supplementary work from Whiting's Physical Experiments. Recitations, lectures and laboratory, six hours a week.

6. Senior Year. Scientific Course. Optics and Electricity. Sabine's Laboratory Course. Stewart and Gee's Practical Physics, Vol. II. Pickering's Physical Manipulations. Recitations, lectures and laboratory, six hours a week.

7. Senior Year. Astronomy, all Courses, optional. Young's Elements. First half-year. Recitations and lectures. Three hours a week.

The Academy has a useful collection of lantern slides in Astronomy, and it is with these only that an idea of the telescopic features of the heavenly bodies can be given to the class. A telescope with an object glass, at least eight inches in diameter, is much needed. A place for such an instrument was prepared in the Pratt Collegiate building, but it still waits for the generous donor to fill it.

A Post-Graduate Course of one year will be given when required.

VIII. Department of Mathematics. In the Sixth Grade the study of Arithmetic is finished, save for the half year of Arithmetical Review, two years later.

1. Seventh Grade. Elementary Geometry. G. A. Hill's Elementary Geometry for Beginners. Five times a week. This subject, in addition to developing the logical faculties, creates geometrical conceptions which are valuable as an introduction to demonstrative geometry. Much attention is given to the accurate construction of geometrical figures, to mensuration, and to discussion of the relation of the parts of the figures to each other. Graphical solutions are verified arithmetically.

2 Eighth Grade. Elementary Algebra. Hall and Knight's Algebra, to Quadratic Equations, including Fundamental Operations, Equations of First Degree, Involution, Evolution, Proportion, Theory of Exponents, Surds, Imaginary Quantities, Inequalities. The object aimed at is ability to handle equations easily and accurately and to apply the principles of Algebra to the solution of problems in Physics, Chemistry, Geometry and Arithmetic. Four hours a week.

3. Eighth Grade. Arithmetical Review. Two hours a week first half year. In this course a mathematical attack of all arithmetical problems is the result desired.

4. Junior Year. Classical and Scientific Courses. Algebra completed, Hall and Knight. Three hours a week. Equations of the Second Degree, Progressions, Variation, Continued Fractions, Permutations, Combinations, Doctrine of Limits, Series, Method of Indeterminate

Coefficients, Logarithms, Binomial Formula (for all cases). These subjects satisfy the highest college-entrance requirements in Algebra.

5. Junior Middle Year. Classical and Scientific Courses. Plane and Solid Geometry. Byerly's Chauvenet. Three hours a week. Geometry is taught primarily as a means for training the logical faculties, but the application of geometrical truths is thoroughly discussed. Both algebraic and graphic methods of solution are employed throughout the course. Much time is given to original work and numerical applications.

6. Junior Middle Year. Scientific Course. Mechanical Drawing. Anthony's text-book. Parts I., II. and III. Two hours a week. During the first term the use of instruments is learned and practice given in drawing geometrical figures and conventional designs. In the second term the student draws projections from models and sketches. Simple applications are made to machine and architectural drawings.

7. Senior Middle Year. Classical Course. Mathematical Review, Arithmetic, Geometry and Algebra are reviewed. During the review of Geometry, a thorough drill is given in Metrical Geometry. In this study, both the metric and common systems of measurement are used, and computations made by means of logarithms.

8. Senior Middle Year. Scientific Course. First half year. Plane and Spherical Trigonometry, Wentworth. Three hours a week. Trigonometrical applications are made to problems, for which students obtain their own data throughout the course in surveying which follows.

Second Half Year. Surveying, Carhart. Three hours a week. The course in surveying includes elementary plane surveying and leveling. Students are made familiar with Transit, Level, Rods, Tapes, etc. Practice is given in determining distances, angles, lines and areas. A limited topographical survey is made to determine the location of buildings, etc. The difference of level of two points is determined and profile sections made. Calculations are made for cuttings and fillings.

Mechanical Drawing. During this course the drawing done is chiefly plotting from field notes of work in surveying.

9. Senior Year. Scientific Course. Option I. Three hours a week. First term, Bowser's Analytic Geometry. Second term, Hardy's Differential Calculus. The Analytical Geometry will be treated with reference to the geometrical meaning of the truths learned as well as to the significance of the formulas deduced. The formula will be considered as a means, not as an end in itself. As in other subjects, graphics will be freely used. The Calculus will be applied to the solution of simple physical problems.

Option II. A. Machine design and construction, or

B. Architectural drawing, including elementary work in the design of roof trusses and graphical calculation of strains. The student will make complete plans, perspective and specifications for a house.

One option must be chosen.

10. Senior Year. Classical Course. First term, Wentworth's Trigonometry. Second term, Hardy's Differential Calculus. Three hours a week. Optional. Work same as for Scientific Course.

IX. Department of Philosophy.

1. Junior Middle Year. Collegiate Course. Elements of Logic, the essentials of correct reasoning. Two hours a week, first half-year.

2. Junior Middle Year. Collegiate Course. Elementary Ethics and Psychology. An application of principles to practical problems. Two hours a week, second half-year.

3. Senior Year. Collegiate Course. Psychology, advanced study based upon physiological courses. An introduction to the study of Philosophy. Hill's Psychology. Ribot's Works. Preyer's Infant Mind. Three hours a week.

X. Department of Æsthetic Studies.—A. ART.

1. Drawing. Practice in drawing is required in all the classes of the Academy from the beginning to the Sixth Grade, inclusive. The course includes instruction not only in free-hand drawing from the model, but also in the elements of Mechanical Drawing, in connection with the mathematical studies. After the Sixth Grade, drawing becomes an optional study, and may be chosen by those who evince a special aptitude for it. In the Collegiate Department Mechanical Drawing becomes a prominent part of the required work in the Scientific Course.

2. Senior Middle Year. Collegiate Course. Ancient and Mediæval Art. Lectures and recitations abundantly illustrated with lantern views. Topical discussions and reference readings. Subjects of study chosen to illustrate the concurrent courses in History. Twice a week.

3. Senior Year. Collegiate Course. History of the Fine Arts in Modern Times. Continuation of the foregoing and similarly conducted to accompany concurrent study of Modern History. Twice a week.

B. VOCAL MUSIC.

All pupils who are qualified may receive instruction in singing. The best voices are admitted to the Adelphi Academy Glee Club, and there is also special instruction for the members of the Kindergarten Training Class.

C. ELOCUTION.

Below the Collegiate Department every student receives special instruction and discipline in reading and declamation. In the Collegiate Department the drill is continued, and more formal instruction in the principles and theory of elocution is imparted.

D. DELSARTE EXERCISES.

Instruction in Delsartian principles and exercises is given to the young ladies who may be qualified to enter such classes.

XI. Department of Physical Culture.

The Academy provides, as it always has done, scientific and systematic physical training for all classes of students. The Adelphi does not seek to develop experts in playing athletic games. It desires only to give to every student a rational plan of physical culture and a safe acquaintance with its benefits. Athletic sports in our schools need direction and restraint; but a wise physical culture, the education of the body which will support the education of the mind, needs direction and development. Below the Seventh Grade the students of each class perform calisthenic exercises at regular intervals in the calisthenic room under the supervision of the Director. The calisthenic exercises are arranged with regard to system and progression, so that the weakest individual can exercise without danger of overwork. The exercises are selected for their physiological and physical effects, not for mere show and appearance. From the Seventh Grade upward there are formed voluntary classes for gymnastic training. At present the boys' classes meet three times a week and the girls' classes twice a week. They are well attended.

Each student before exercising in the gymnasium receives a thorough physical examination; anthropometrical measurements are taken, and the condition of heart and lungs is recorded. With this examination as a basis, a written prescription of exercise is given and followed, which is designed to correct physical defects, to produce symmetrical development and to raise the standard of health. Students who have certain physical defects are allowed extra time in the gymnasium that the defects may be corrected.

Class exercise in gymnastics is systematically and progressively arranged from a knowledge of what is best in each and every system. Beginning with the simplest and easiest movements the exercise increases as the strength increases. The classes are graded according to the strength, skill and ability of the individual, and each class is limited to eight members. By thus arranging and grading the classes or squads the exact amount of exercise is controlled, and the allowance is in proportion to the strength of the individual.

Each class is in charge of a leader, who is carefully selected and specially trained for the position by the physical director. Exercises are arranged in progressive series in the following order: Chest and Pulley-weights, Horizontal Bar, Waist Bar, Vaulting Bar, Running High Jump, Flying Rings, Trapeze, Swinging Poles, Climbing Poles, Horizontal Ladders and Tumbling.

THE KINDERGARTEN TRAINING CLASS.

The Adelphi training class combines the advantages of practice in the excellent Kindergarten of the Academy with the same instruction in art, science, music, physical culture, psychology and history that is offered to the advanced classes of the Collegiate Department. The course extends through two years. Candidates for admission must be at least eighteen years of age, must have had either a high-school training or its equivalent, and must satisfy the Director that they are competent to study kindergartening with prospect of success. Students who complete the full course and give satisfactory proof of proficiency and ability will receive a diploma certifying to their attainments.

Course of Study for the Kindergarten Training Class.

1st Year.	2nd Year.
The First Six Kindergarten Gifts. Clay Modeling, Paper Folding, Parquetry, Paper Cutting, Free Cutting, Peas Work, } Kindergarten Occupations. Free-Hand Drawing and Color Work. Lectures on the History of Art (optional). Kindergarten Drawing. Music—voice culture. General Biology and Botany. Physical Culture and Delsarte. History of Education.	The Last Seven Kindergarten Gifts. Mat Weaving, Free Weaving, Slat Interlacing, Paper Interlacing, Sewing, Card Modeling, Coloring, } Kindergarten Occupations. Free-Hand Drawing and Color Work. Lectures on the History of Art (optional). Music—voice culture. Zoölogy. Study of Froebel's "Education of Man." Mutter und Kose-Lieder. Lectures on the Theory of Education. Psychology.

THE ART DEPARTMENT.

"Do not think by learning the nature or structure of a thing, that you can learn to draw it. Anatomy is necessary in the education of surgeons; botany in that of apothecaries, and geology in that of miners; but none of the three will enable you to draw a man, a flower, or a mountain. You can learn to do that only by looking at them; not by cutting them to pieces."

"And don't think you can paint a peach, because you know that there's a stone inside; nor a face, because you know a skull is."

—JOHN RUSKIN.

The whole of the upper story of the new Collegiate Building is devoted to this department. There is a spacious studio which is furnished with full and half-sized statues, large and small torsos, busts, masks, and reliefs. There is also a large room for classes in drawing and in painting from life. Besides, there are three rooms: for modeling, the making of casts, and for the use of small classes. The professor in charge meets students once a month for criticism in composition and design. A class in sketching meets once a week in the evening. The Life Class meets three evenings a week to draw from the figure.

The Art Department of the Adelphi Academy has performed a pioneer work in developing the study of fine arts in Brooklyn, and the Academy is justly proud of this honorable service. Among the noted artists who have begun their labors in this department under Prof. J. B. Whittaker, may be mentioned such names as these:

Miss Eleanor Bannister, who after a residence of less than six months in Paris, took the "Concours" prize. She ranks among the first of portrait painters in this country. She is a member of the Brooklyn Art Club.

George Bardwell, painter and illustrator. He is in charge of the Art Department of *Brooklyn Life*.

Frank Boggs, now resident of Paris; constant exhibitor at leading exhibitions both in Europe and America. He sold his Salon pictures for three succeeding years to the French Government.

- Joseph Boston, figure and landscape painter, and professor of drawing in the Brooklyn Art School.
- Miss Phebe Bunker, now painting in Paris. She is well known as a writer on Art, under the *nom de plume* of "Palette."
- Charles A. Burlingame, painter in oil and water color, constant exhibitor the Academy and other exhibitions, teacher of drawing at St. Joseph's Academy and at other similar institutions.
- Miss Carrie L. Carter, member of the Brooklyn Art Club. She exhibits at the Academy of Design and other exhibitions.
- Mrs. H. J. Davis, exhibitor in the Paris Salon, in the National Academy of Design, and in the leading exhibits of this country.
- W. R. Derrick, now has studio in New York; exhibitor at the Paris Salon, and at all the leading exhibitions in this country. He was Professor of Drawing in the Art Students' League, in New York.
- Wilson De Meza, recently deceased, well known as an illustrator. He received honorable mention in the Salon, Paris.
- Hugh O. Eaton, member of the Brooklyn Art Club and artist for large publishing houses. At present he is making illustrations for a forthcoming edition of Scott's works.
- Harry Edwards, illustrator and draughtsman, constantly employed by large houses, Scribner, Harper and others.
- Miss Katie Gausman, teacher in Friends' School, also exhibitor at the leading exhibitions in New York.
- Miss Alice Lovett, well known as an illustrator and writer on art.
- A. P. Lucas, now residing in Paris, Societaire des "Beaux Arts Nationales," Paris.
- Mrs. Lumsdon, *née* Voss, figure painter. Her works are known in all American exhibitions. She is exhibiting in the present (March, 1895) National Academy of Design Exhibition, New York.
- John A. Parker, one of the most successful lithographers in New York.
- William O. Partridge, who now has a studio in Madison Square Garden, N. Y. He modeled a statue of Shakespere in Chicago, of Alexander Hamilton for the Hamilton Club, Brooklyn, and of Grant for the Union League Club. He is a lecturer and writer on art.
- William Pendrell, well known as a portrait painter. He exhibits in the National Academy of Design, New York.
- W. E. Plimpton, now has studio in New York. He exhibits in the Paris Salon, and at all the leading exhibitions in this country.
- Harry Roseland, member of Brooklyn Art Club, well known figure painter and designer. He is exhibiting at present (March, 1895) in the National Academy of Design, New York.
- Mrs. Rowell, *née* Taylor, figure painter. She is now a member of the Jersey City Ceramic and Art Club.

Miss Nellie Sawyer, figure and landscape painter; contributor also to the leading exhibitions. She devotes some of her time to teaching.

Orrin W. Simons, draughtsman and illustrator. He had charge of Art Department in the *New York World*, and is at present in charge of the Art Department of the *Brooklyn Daily Eagle*.

Miss Gussie Sittig, illustrator and painter. She exhibits also at the leading exhibitions.

Mrs. Douglass Stearns, figure and flower painter. She is a member of the Brooklyn Art Club, and is an exhibitor at the leading exhibitions.

Frank Wellington, ranking now among the best wood engravers in the United States, showing considerable ability as an illustrator and water color painter.

EQUIPMENT OF THE ADELPHI ACADEMY.

I. **The Buildings.**—The group of three buildings now occupied by the Adelphi Academy fills the entire end of the block between Lafayette Avenue and Clifton Place, 200 x 150 feet. The central building is an assembly hall, 50 x 72 feet, with sittings for about a thousand persons. In the basement, extending across the whole block, is the gymnasium, occupying three large rooms and covering a space 200 x 50 feet.

The ventilation of all the buildings is complete and perfect. A large fan is placed in the upper part of each building, discharging air from a reservoir which receives ventilating flues from all the rooms. These fans are driven by electric motors from a dynamo connected with a forty horse-power engine. By this means the air in both buildings can be completely renewed at least once every half hour in the most unfavorable weather.

The principal room in the gymnasium opens directly into the outer air by means of large skylights in the roof, so that these rooms are especially well lighted and ventilated.

The buildings are conveniently reached by the Brooklyn Union Elevated R. R. (DeKalb or Greene Avenue Stations), or by the Greene, DeKalb, Franklin, Vanderbilt and Fulton electric cars.

II. **The Library and Reading Room.**—The Library of the Academy now contains about six thousand volumes. It is well sup-

plied with the most useful works of reference, encyclopædias, dictionaries and atlases. The reading tables are well stocked with the best papers and magazines for the use of the members of the Academy. The librarian is in constant attendance, and there is a complete card catalog. Both library and reading room are at the service of the students in all the departments of the Academy.

During the year the library has received considerable accessions through the gifts of Dr. Henry Zick, and of Mrs. Goodnow, in memory of her son, Clarence D. Goodnow, of the class of '94.

Among the principal periodicals on file in the reading room are the following :

The American Agriculturist, Anthony's Photographic Bulletin, Popular Astronomy, The Atlantic Monthly, The Book Buyer, The Century Magazine, Child Garden, The Congressional Record, The Contemporary Review, The Cosmopolitan, Education, The Educational Review, The Fortnightly Review, The Forum, The Geographical Journal, Harper's Magazine, Harper's Weekly, Harvard Graduates' Magazine, The Illustrated London News, The Journal of Education, The Kindergarten Magazine, Kindergarten News, The Magazine of Art, The Nineteenth Century, Outing, The Popular Science Monthly, Power, The Review of Reviews, The School Bulletin, The School Review, Science, The Scientific American and Supplement, Scribner's Magazine, The Yale Review, The Youth's Companion.

III. The Gymnasium and Playing-Field.—The gymnasium is in charge of a Director who is a physician, and of a lady assistant who is especially charged with the conduct of the girls' classes. The calisthenium is a spacious room provided with a piano and with the usual equipment of wands, clubs and bells. The remaining space, besides dressing-rooms, bath-room and offices, contains two large rooms well supplied with all modern apparatus. In these rooms are found a hand-ball court and basket-ball field; chest weights, back and loin attachments, intercostal machines, traveling parallels and a quarter circle; a set of Swedish apparatus and of climbing apparatus; twelve-pound shots and hammers, with vaulting apparatus; a full equipment for anthropometric work, and all the best appliances for gymnastic exercises, including rings, bars, horses, parallels, ladders, mattresses and trapeze.

The playing field, which is now in the possession of the Acad-

emy, is situated near Classon Avenue, between Park Place and Prospect Place. It is near the Franklin Avenue, Bergen Street and Atlantic Avenue lines of cars, and is about twelve minutes' walk from the Academy. Its dimensions are such as to afford sufficient room for all the usual games. Inasmuch as the field has but recently come under the control of the Academy it is still in need of additional equipment, and the hope is that the friends of the Academy will be glad to assist in this most indispensable work.

IV. Equipment of the Kindergarten.—The rooms for this department are all well lighted, conveniently situated upon the first floor of the Academic Building, and very near to the Lafayette Avenue and St. James Place entrances. The rooms are well supplied with cabinets in which the materials of work are stored and the handiwork of the pupils displayed. Every necessary aid is supplied for the games and music. Provision is made for the observation of growing plants and of living animals.

V. Equipment of the Academic Department.—During the twenty-five years of the existence of the Academy, a very considerable supply of materials to illustrate the teaching of History, Geography, Natural Science and Number, has been accumulated. The best physical and political maps and a great number of pictures and charts for use in the study of Natural History, Geography and political and social History have been imported from Germany and France. The principal characteristics of this equipment may be inferred from the following list:

To Illustrate Botanical Study:

1. Engledar's Series of charts of plants, forty-eight in number, $23\frac{1}{4}$ x $31\frac{3}{4}$ inches, and including all principal varieties, beautifully colored and completely illustrated.

2. The Gerold Series of tree and plant charts, about one hundred in number, 25 x $32\frac{3}{4}$ inches, executed in the same manner as the foregoing.

To Illustrate Geography and History :

1. Hirt's Geographische Bilder and Historische Bilder, about two hundred in number, $13\frac{1}{2}$ x $18\frac{1}{4}$ inches, illustrating appearance, costumes, occupations, and architecture of all peoples on earth, with pictures of characteristic landscapes in every land and of the fauna and flora of every land.

2. Schneider's Typen-Atlas, about sixteen in number, same plan as former.

3. Hölzel's Landscapes, pictures, thirty-four in number, $23\frac{1}{2} \times 31\frac{1}{4}$ inches, finely colored, giving photographic representations of most famous typical landscapes in the world.

4. Lehmann-Leutermann's Ethnographical Pictures, six in number, $26 \times 34\frac{3}{4}$ inches.

5. Langl's Historical Pictures, sixty-two in number, $22\frac{1}{2} \times 30$ inches, beautifully colored, showing most famous ruins, cathedrals, and buildings in the world.

6. Lehmann's Historical Pictures of Civilization, twelve in number, $26 \times 34\frac{3}{4}$ inches, illustrating life in each century of the mediæval era; colored.

7. Lohmeyer's Historical Pictures, twelve in number, $31 \times 38\frac{1}{4}$ inches, illustrating life, and especially military life, in ancient times; colored.

8. The Kiepert Series of physical maps of countries, the Sydow-Habenicht series of physical maps of continents, the Kiepert-Bretschneider series of historical maps of Europe, and many political maps of countries.

To Illustrate Physiology :

1. A set of Rammé papier-maché models to illustrate the various organs of the body.

2. White's physiological manikin, eighty-nine charts.

To Illustrate the Useful Products of the Earth :

1. Forty-seven charts, each displaying specimens and illustrating processes of growth and manufacture of some useful product, as cotton, sugar, coal, iron, etc.

2. Goering-Schmidt's Botanical Pictures, seven in number, $26 \times 34\frac{1}{2}$ inches, showing growth and processes of caring for coffee, tea, cacao, cotton, tobacco, pepper and India rubber, sugar-cane.

To Illustrate Zoölogy :

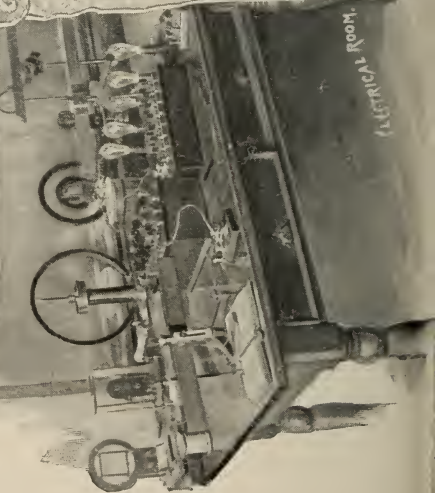
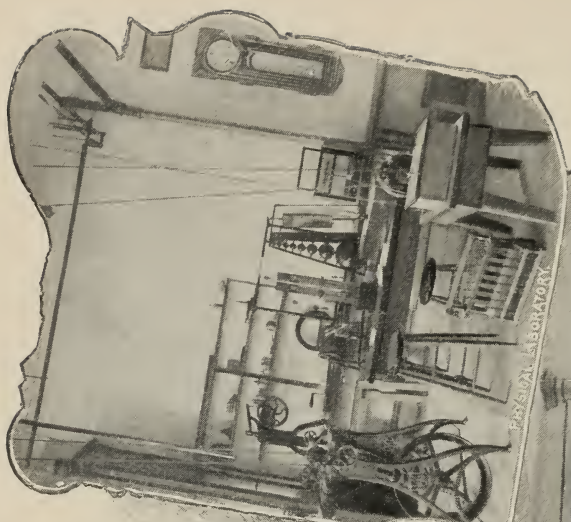
1. Engleder's Zoölogical Pictures, forty-eight in number, 35×40 inches.

2. Gerold's Zoölogical Series, twenty-three in number, $25 \times 32\frac{1}{2}$ inches.

3. Froehlich's Animal Pictures, sixteen in number, 27×36 inches.

VI. The Chemical Lecture Room and Laboratories.—The *Chemical Department* occupies nearly all of the fourth floor of the Collegiate Building, and in completeness of equipment ranks with the best among the higher educational institutions of the State. The *Lecture Room* is large and well lighted, and has seats for eighty students. It is provided with a complete system of electric lighting and means for using the electric current for many lecture experiments. One of

the important features of the equipment is a specially constructed electric projecting lantern of 2,000 candle-power, with attachments for horizontal, vertical and side projection and special apparatus for the projection of microscopic objects. Adjoining the lecture room is the *professor's office* and cabinets for storing the apparatus used in the lectures, as well as the more delicate and accurate analytic apparatus, among which may be mentioned complete apparatus for the rapid analysis of gases, graduated apparatus for volumetric analysis, platinum and silver ware for quantitative analysis, and special glassware for organic analysis. The *Main Laboratory* provides separate desks for seventy-two students, each desk supplied with gas and running water, and a full set of chemicals and apparatus for experimental work. All experiments involving the production of disagreeable gases or fumes are performed in closets directly connected with the main ventilating flues of the building, and in addition to this, each laboratory is ventilated by independent electric fans. Two small dark rooms equipped for spectroscopic analysis form a part of the main laboratory. The *Quantitative Laboratory* provides accommodation for thirty-two students. Its general equipment is similar to that of the main laboratory. The *Assay Laboratory* provides working desks for twenty-four students, and contains complete apparatus for the mechanical preparation of ores for assay. There are two muffle furnaces, two crucible furnaces and one cupelling furnace, all heated by gas. Two automatic stills in this room supply the distilled water for use in all the laboratories. The *Weighing Room* contains three Becker analytical balances, one Sartorius short beam balance for heavy apparatus in organic analysis, one Becker short-beam assay balance, one ore balance, one bullion balance and one Westphal specific gravity balance, a complete equipment for all kinds of exact chemical work. The *Blowpipe Laboratory* contains the mineralogical collections, which are always open to the students for examination and comparison. The working tables are arranged for twenty-four students. A supply room contains a store of extra apparatus from which the students can obtain all the material they require in their experimental work. This room is arranged for use as a photographic dark room, with complete apparatus for making lantern slides, including a fine copying, enlarging and reducing camera.



VII. The Physical Laboratories. The laboratories for Physics are well arranged for their special use. The equipment is already large. A clock, beating seconds, gives electrical signals in all the rooms. There is a bench with tools for both wood and metal work, and an engine lathe driven by an electric motor. For accurate measurement there are vernier and micrometer gauges, a spherometer, good balances and a Koenig's tuning-fork chronograph. There are also a large air pump with accessories, an Atwood's machine, and much apparatus to demonstrate the laws of force and motion. There is a complete set of meteorological instruments, with which a daily record is kept.

For heat measurements there are calorimeters, thermometers, and a thermopile. The sound apparatus includes sonometers, a set of Koenig's forks, and apparatus for demonstrating the timbre of sounds by manometric flames, organ pipes, and tubes for measuring wave length.

In optics the equipment includes a Browning spectroscope with two prisms, a Rutherford diffraction grating, a spectrometer just imported from Germany, a Bunsen photometer complete with candle balance, wet meter Methven screen and standard Argand gas burner, apparatus for producing the spectra of metals by the electric arc, Nicol's prisms and apparatus for illustrating the polarization of light, compound microscopes and facilities for measuring the focal lengths of lenses and mirrors.

Among the electrical instruments may be enumerated batteries of various types, a reflecting Thomson's galvanometer of six thousand ohms, a Wheatstone's bridge of twenty-one thousand ohms, various resistance boxes, a D'Arsonval horizontal magnet galvanometer with both ordinary and ballistic coils, several forms of astatic needle and tangent galvanometers, an Elliott condenser, Mascart electrometer, Weston voltmeter and ammeter, Carhart-Clark cell, large Ruhmkorff coil, Toepler machine, besides other forms of galvanometers and bridges, and much general apparatus. The apparatus provides for practicing the various modes of measuring current, potential and resistance.

There is an electric lighting and power plant, consisting of a 40 horse-power engine, a 250-light U. S. direct current dynamo, and three U. S. motors. During the hours of session these furnish current in the lecture-room and laboratories, and drive the ventilating fans. At other times connection is had with the Edison 3-wire system, giving a constant potential of 230 volts.

The department is provided with a good photographic outfit, a $6\frac{1}{2} \times 8\frac{1}{2}$ camera with a Dallmeyer lens, a 10×12 copying camera, and a dark room well ventilated and lighted by the electric light, equipped with every necessary appliance.

The lecture room, with a seating capacity of one hundred, is on the south side of the building, and has all the approved arrangements for its special use. It is darkened by shutters sliding from the walls. The sunlight, the calcium or the electric light may be used for projection or experiment.

The lantern is provided with vertical attachment, polarizing elbow and microscope, and there is a large set of objects for projection. Colt's electric arc lamp has recently been added to it. Wires connect it with the lecture table, so that electrical experiments performed there may be projected on the screen. Several thousand lantern slides are used here each year in illustrating geography and history to the Academic classes studying those subjects.

The cabinet of apparatus both for lecture and laboratory use is enlarged each year. Among recent additions are a D'Arsonval galvanometer, a spectrometer, an electric lamp for the lantern, calorimeters, a sonometer, vernier gauges, balances, a tangent galvanometer, an astatic needle galvanometer, a Wheatstone's wire bridge, a deflection magnetometer, etc., and apparatus for measuring focal length and magnifying power of lenses and mirrors.

VIII. The Biological Laboratory and Collections for use in Teaching Natural History.—The Biological Laboratory occupies rooms adjacent to the Chemical Laboratory. It is well provided with the facilities for botanical study, including dissecting and compound microscopes, a herbarium, mounting apparatus and various reagents.

For the use of classes in Zoölogy and Physiology there is a fine collection of type vertebrate skeletons, prepared by Prof. H. A. Ward, of Rochester; a human skull with the bones all separated; two human skeletons, one mounted and one disarticulated; plaster and papier-maché models of different parts of the human body; charts and manikins.

The Geological collection includes the representative fossils of all the formations, and also large collections of the different kinds of rocks.

The Mineralogical collection contains about two thousand specimens, including examples of all the common minerals and ores. A small set of models of crystals forms a part of this collection.

IX. The Mathematical Laboratory.—The equipment for surveying includes a complete Engineer's Transit (Buff & Berger), a Surveyor's Transit (Pike & Sons), a Y Level (Heller & Brightly), New York and Boston rods, self-reading rod for telemeter work, and the usual pins, tapes, flags, ranging poles, etc. The mechanical drawing-room is large and well-lighted and fully supplied with cabinets, shelves and the necessary desk room. There is a large collection of geometric models and machine types. There are many large photographs of locomotive and stationary engines, besides numerous blue prints and detail drawings of a large array of machinery.

X. The Studio. See Art Department, *ante*, p. 48.

XI. The Manual Training Work-room.—This room is on the basement floor of the Pratt Building, immediately under the Eighth Grade Room. It is thirty-nine feet long and twenty-one feet wide, well lighted by large windows upon two sides. It is equipped with work-benches of the most approved plan and construction, which will accommodate thirty-four pupils at one time. There is a cabinet of lockers for tools and models. The tools provided are all of the newest and best description, and such as are used in the trades.



BOOKS RECOMMENDED AND ADOPTED FOR USE IN THE ADELPHI ACADEMY.

ANCIENT LANGUAGES.—Allen & Greenough's and Harkness' Latin Grammars, Scudder's Gradatim and First Latin Book, Arrowsmith & Whicher's First Latin Readings, Lindsay's Nepos, Rolfe's Viri Romae, Collar & Daniell's Beginner's Latin Book, Herbermann's Sallust, Harper & Tolman's Cæsar, Harper & Miller's Vergil's Aeneid, Allen & Greenough's Ovid, Kelsey's Select Orations and Letters of Cicero, Boise & Pattengill's Greek Lessons, Allen's Hadley's Greek Grammar, Harper & Wallace's Xenophon's Anabasis, Seymour's Homer's Iliad, Manatt's Xenophon's Hellenica, Lewis' Latin Dictionary, Liddell & Scott's Greek Dictionary.

MODERN LANGUAGES.—Worman's French Grammar, Classical French Reader, Daudet's Contes Choisis, Selections from Heath's "Modern Language Series," De Rougemont's La France and Manuel de Littérature Française, Kimball's Exercises in French Composition, French Drill Books A. and B., Anecdotes Nouvelles, French Pronunciation (Schoenhof), En Wagon, La Lettre Chargée, Whitney's Introductory French Reader and various editions of modern works as published by W. R. Jenkins, D. C. Heath and others. German Grammars: Collar's Eisenbach, Stein's German Exercises, Joynes-Meissner's German Grammar, Jagemann's German Syntax; German Classics: Lessing's Minna von Barnhelm, Schiller's Wilhelm Tell, Jungfrau, Marie Stuart, Neffe als Onkel, Goethe's Hermann and Dorothea, Iphigenie, Egmont. German Prose: Im Zwielficht, Andersen's Märchen, Aus Meiner Welt, Träumereien and other texts of Heath's Modern Language Series. Stern's Studien und Plaudereien, First Series. Cassell's French-English Dictionary, Whitney's German Dictionary.

PHYSICAL SCIENCES.—Carhart and Chute's Elements of Physics, Prescott's First Book in Qualitative Chemistry, Prescott and Johnson's Qualitative Analysis, Fresenius' Quantitative Analysis, Remsen's Chemistry, Remsen's Organic Chemistry, Bloxam's Metallurgy, Young's Elements of Astronomy, Wood's Elementary Mechanics, Slingo and Brooker's Electrical Engineering, Cairns' Quantitative Analysis.

NATURAL SCIENCES.—Thompson's Outlines of Zoölogy, Lang's Comparative Anatomy, Wiedersheim's Comparative Anatomy of Vertebrates, Parker's Zoötohy, Marshall & Hurst's Practical Zoölogy, Brooks' Invertebrate Zoölogy, Martin's Human Body, Foster & Langley's Practical

Physiology, Schäfer's Histology, Gray's Anatomy, Sachs' Text Book of Botany, Gray's Structural and Physiological Botany, Gray's School and Field Botany, Sedgwick & Wilson's General Biology, Parker's Elementary Biology, Brush's Determinative Mineralogy, Le Conte's Geology, Dana's Mineralogy, Deschanel's Natural Philosophy, Sabine's Laboratory Course.

GEOGRAPHY.—Longmans' New School Atlas, Kiepert Series of Physical Wall Maps, Sydow-Habenicht Series of Physical Wall Maps, Mitchell's Outline Maps, Johnston's Political Wall Maps, Chisholm and Leete's Geography, King's Geographical Readers, Dunton's Our World and Its People.

MATHEMATICS.—White's Two Years With Numbers, Ray's Test Examples, Atwood's Complete Graded Arithmetic, Wells' Algebra, Perrin's Drill Book in Algebra, Hall and Knight's Algebra, Packard's Bookkeeping, Hill's Lessons in Geometry, Wells' Geometry, Byerly's Chauvenet's Geometry (Lippincott), Wentworth's Trigonometry, Wood's Trigonometry, Wells' Logarithmic Tables, Church's Descriptive Geometry, Davies' New Surveying, Anthony's Mechanical Drawing.

HISTORY AND POLITICAL ECONOMY.—Sheldon-Barnes' American History, Montgomery's Historical Text-books, Thomas' History of the United States, Hart's Epoch Maps illustrating United States History, Hart's Epoch Series of American History, Green's Short History of the English People, Epoch Series of Modern History, Colbeck's Public School Historical Atlas, Myers' Series of Historical Text-books, Emerton's Historical Text-books, Fiske's Civil Government, Johnston's American Politics, Gide's Political Economy, Ely's Outlines of Political Economy, Compayré's History of Pedagogy.

PHILOSOPHY.—Hill's Psychology, Robinson's Principles and Practice of Morality, Hill's Jevons' Logic, The International Education Series.

MUSIC.—The Academy Song-book (Ginn & Co.), The Coda (Ginn), Horton's Music Copy Book No. 2 (Daniel Slote & Co.), Wilhem's Method of Teaching Vocal Classes (Oliver Ditson Co.).

LIST OF BOOKS FOR USE IN THE STUDY OF ENGLISH, as reading-books, text-books, and materials for the study of English grammar and literature.

It is not expected that any class will, in one year, certainly make use of all the books that are mentioned in this list under the class numeral. A generous selection is made, and the selection is likely to vary somewhat from year to year, as experience dictates or as new material is offered. No part of the new work of the Academy has been the subject of more study or the cause of more interest than this endeavor to improve the char

acter of the reading in English. The discipline in formal grammar does not become less thorough, and, on the other hand, the interest of pupils in good literature does become more evident. Above all, the plan of the English work, which makes it a basis of other studies, has succeeded in exciting and sustaining a commendable appetite for information in geography, history and science.

The Library Section of the Department of Pedagogy in the Brooklyn Institute, has been making, during this winter season, a special study of reading-books for children. The annual report of this section recommends that reading-books which convey definite information should be chosen, that pathetic passages should be avoided out of regard for the healthy nervous development of the child, that ethical lessons should be given indirectly rather than directly, and that dialog which presents ungrammatical or vulgar language should be banished. The report also contains this statement: "This Circle has examined carefully the books in use in the Adelphi Academy and most heartily commends them, several of the members testifying to the value of the books from experience in their families during the year just closing. The result of the use of these books has been a marked improvement in reading, a better use of language, and a very evident desire for more information."

ACADEMIC DEPARTMENT.—First Grade. *General Literature.*

—1. The New Script Primer (Potter & Putnam, N. Y.), 2. Longman's Infant Fairy Readers. 3. Appleton's First Reader. 4. Pollard's Synthetic Speller. 5. Cyr's The Interstate Primer and First Reader. 6. M. L. Pratt's Æsop's Fables, Vol. I. 7. Barnes' First Reader. 8. New Franklin First Reader. 9. Swinton's Easy Steps for Little Feet.

History, Geography and Science.—1. Stories by Teacher. 2. Object Lessons. 3. Julia M. Wright's Seaside and Wayside, No. 1 (Heath). 4. Bass' Nature Stories for Young Readers (Heath). 5. Bass' Nature Stories for Young Readers, Animal Life. 6. Johonnot's Book of Cats and Dogs.

Second Grade. *General Literature.*—1. Longmans' Fairy Tale Books. 2. Scudder's Fables and Folk Stories (H. M. & Co.). 3. Grimm's Fairy Tales (Ed. Pub. Co.).

History.—1. Pratt's American History Stories, Vols. I.—III. (Ed. Pub. Co.). 2. Pratt's Stories of Colonial Children. 3. Eggleston's First Book in American History (A. B. C.).

Geography.—1. Dunton's The World and Its People, Vols. I. and II. (Silver, Burdett & Co.). 2. King's Geographical Readers, Vol. I. (Lee & Shepard). 3. Hall's Our World Reader, No. 1 (Ginn). 4. Andrews' Seven Little Sisters (L. & S.). 5. Frye's Primary Geography (Ginn).

Science.—1. Julia M. Wright's Seaside and Wayside, No. 2 (Heath). 2. Buckley's Fairyland of Science (Appleton).

Third Grade. General Literature.—1. Hyde's First Book in English (Heath). 2. Whittier's Selection from Child Life in Poetry (H. M. & Co.) 3. Kingsley's Water Babies (Ginn's Classics). 4. Heart of Oak Books, Vol. II. (Heath). 5. Carroll's Through the Looking-Glass.

History.—1. Pratt's American History Stories, Vols. I.—III. (Ed. Pub. Co.). 2. Firth's Stories of Old Greece (Heath). 3. York Powell's Old Stories from British History (Longmans). 4. Church's Two Thousand Years Ago (Scribner or Dodd & Mead). 5. Century Historical Readers, Simple Stories, Parts I. and II. (Blackie & Son). 6. Dodge's Stories of American History, 1st Series (L. & S.)

Geography.—1. Andrews' Seven Little Sisters. 2. Andrews' Each and All. 3. Frye's Primary Geography. 4. Dunton's The World and its People, Vol. III. 5. King's Geographical Readers, Vol. II.

Science.—1. Seaside and Wayside, No. 3. 2. Johonnot's Friends in Feathers and Fur. 3. Andrews' The Stories Mother Nature Told Her Children. 4. Kelly's Leaves from Nature's Story Book, 2 vols. (Ed. Pub. Co.)

Fourth Grade. General Literature.—1. Hyde's Practical Lessons, No. 2. 2. Heart of Oak Books, Vol. II. (Heath). 3. Hawthorne's Wonder Book, Part I. and II. (R. L. Series, H. M. & Co.). 4. Hawthorne's Little Daffydowndilly (R. L. Series). 5. Ruskin's The King of the Golden River (Ginn). 6. Whittier's Selection from Child Life in Prose (H. M. & Co.).

History.—1. Pratt's American History Stories, Vol. IV. 2. Montgomery's Beginners' American History. 3. Hawthorne's Grandfather's Chair (R. L. Series). 4. Pratt's Stories of Massachusetts (Ed. Pub. Co.) 5. Pratt's Pizarro, Cortez and Montezuma, and Story of Columbus. 6. Johonnot's Stories of Our Country. 7. Blaisdell's Stories of the Civil War (L. & S.). 8. Morris' Historical Tales, America (Lippincott). 9. T. W. Higginson's Young Folks' History of the United States (Longmans).

Geography.—1. King's Geographical Readers, Vols. III., IV. and V. 2. Dunton's The World and its People, Vol. III., and Our American Neighbors, Vol. IV. 3. T. W. Higginson's Young Folks' Book of American Explorers (Longmans). 4. Schwatka's Children of the Cold (Cassell). 5. Andrews' Each and All. 6. Longmans' Atlas.

Science.—1. Wright's Seaside and Wayside, No. 4. 2. Frye's Brooks and Brook Basins (Ginn). 3. Mrs. Tenney's Natural History for Little Folks, 6 vols. (L. & S.)

Fifth Grade. General Literature.—1. Hyde's Practical Lessons, No. 2. 2. Hawthorne's Tanglewood Tales (R. L. Series, H. M. & Co.) 3. Heart of Oak Books, Vol. III. 4. Rolfe's Fairy Tales (Harper). 5. Litchfield's Nine Worlds (Ginn). 6. Dickens' Christmas Carol (R. L. Series, H. M. & Co.). 7. Macaulay's Lays of Ancient Rome (Longmans). 8. DeFoe's Robinson Crusoe, by Parley (Effingham, Maynard & Co.).

History.—1. Hanson's Old Greek Stories (T. Nelson & Sons). 2. Han-

son's Stories of Old Rome (T. Nelson & Sons). 3. *Johonnot's Stories of Other Lands*. 4. *Longman's New Historical Readers*, York Powell's Sketches from British History, for Standard IV. 5. *Century Historical Readers*, Nos. 5, 6 and 7. 6. *Morris' Historical Tales*, Germany (Lippincott). 7. *Johonnot's Stories of the Olden Time*. 8. *Kingsley's Greek Heroes*.

Geography.—1. *Pratt's People and Places*, Stories of Northern Europe. 2. *Hale's Stories of Discovery* (Roberts Bros.). 3. *Dunton's The World and its People*, Modern Europe, Vol. V. 4. *Watson's Child Life in Italy*. 5. *Andrews' Ten Boys*. 6. *Longmans' Atlas*.

Science.—1. *Chase & Clow: Stories of Industry*, 2 vols. (Ed. Pub. Co.). 2. *Shaler's First Book in Geology* (Ginn). 3. *Kingsley's Madam How and Lady Why* (Macm.). 4. *Lockwood's Animal Memoirs*, Part I. (A. B. Co.). 5. *Mrs. Tenney's Natural History for Little Folks*, 6 vols. (L. & S.).

Sixth Grade. General Literature.—1. *Longfellow's Poems of Places*, Africa, Asia (H. M. & Co.). 2. *Heart of Oak Books*, Vol. IV. (Heath). 3. *Kingsley's Hereward the Wake* (Macm.). 4. *Lanier's Boys' King Arthur and Boys' Froissart*. 5. *Hanson's Stories of the Days of King Arthur* (T. Nelson & Sons). 6. *Rolfe's Scott's Tales of Chivalry* (Harper). 7. *Blackmore's Lorna Doone*. 8. *Conan Doyle's Micah Clarke*, School Edition (Longmans). 9. *Gassiot's Stories from Waverley* (Macmillan).

History.—1. *S. R. Gardiner's Historical Biographies* (Longmans). 2. *Keary's The Heroes of Asgard* (Macm.). 3. *Morris' Historical Tales*, England. 4. *Morris' Historical Tales*, France. 5. *Rolfe's Tales from English History*. 6. *Rolfe's Tales from Scottish History* (Harper). 7. *Lang's True Story Book* (Longmans). 8. *Scott's Tales of a Grandfather* (Ginn).

Geography.—1. *Pratt's People and Places*, Stories of India and of China. 2. *Dunton's The World and its People*, Asia, Vol. VI. 3. *Great Cities of the Modern World* (Routledge). 4. *Half-hours in the Far East*. 5. *Mrs. A. H. Leonowen's Our Asiatic Cousins* (D. Lothrop & Co.).

Science.—1. *Shaler's Story of Our Continent* (Ginn). 2. *Lockwood's Animal Memoirs*, Part I. 3. *Burroughs' Birds and Bees and Sharp Eyes and Other Papers* (R. L. Series, H. M. & Co.).

Seventh Grade. General Literature.—1. *Longfellow's Courtship of Miles Standish; Evangeline* (R. L. Series, H. M. & Co.). 2. *Warner's A-Hunting of the Deer and Other Essays* (R. L. Series, H. M. & Co.). 3. *English Classic Series: Webster's Reply to Hayne*, *Mrs. Browning's Selected Poems*, *Tennyson's Elaine* (Effingham, Maynard & Co.). 4. *Wentworth's Selections from Irving* (Allyn & Bacon). 5. *Hawthorne's House of the Seven Gables* (H. M. & Co.). 6. *Milton's L'Allegro and Il Penseroso*.

History.—1. *Tiffany's Pilgrims and Puritans, and From Colony to Commonwealth*. 2. *Scudder's George Washington* (R. L. Series). 3. *Coffin's Old Times in the Colonies*, *Boys of '76*, *Boys of '61*, and *Days and Nights on the Battlefield*. 4. *Cook's Stories of the Old Dominion* (Harper).

5. Drake's Making of New England, Making of Virginia and the Middle Colonies, Making of the Great West (Scribner). 6. Kellogg's Good Old Times (Lee & Shepard). 7. Parkman Leaflets (Little, Brown & Co.). 8. Maynard's Historical Classic Readings.

Geography.—1. Pratt's Stories of Australasia. 2. Sampson, Low & Co.'s Series, "Foreign Countries and British Colonies." 3. Stanford's Compendium of Geography and Travel.

Science.—1. Lockwood's Animal Memoirs, Part II. 2. Cooper's Animal Life in the Sea and On the Land (A. B. Co.). 3. Blaisdell's How to Keep Well (Ginn). 4. Shaler's Story of Our Continent.

Eighth Grade. *General Literature*.—Longfellow's Tales of a Wayside Inn (H. M. & Co.). Whittier's Snow Bound and Songs of Labor (R. L. Series, H. M. & Co.). Rolfe's Scott's Lady of the Lake (Ticknor & Co.). Hughes' Tom Brown at Rugby (Ginn). Martineau's Peasant and Prince (Ginn). Heart of Oak Books, No. 5 (Heath). English Classic Series: Rab and his Friends, Scenes from Adam Bede (Effingham, Maynard & Co.). Rolfe's Shakespeare's Merchant of Venice. Church's Three Greek Children (Putnam). Ebers' Uarda. Plutarch's Lives (Ginn). Maynard's Historical Classic Readings. Montgomery's Franklin's Autobiography (Ginn). The Parkman Leaflets (Little, Brown & Co.).

COLLEGIATE DEPARTMENT.—Carpenter's Exercises in Rhetoric and Composition, Genung's Outlines of Rhetoric, Lounsbury's English Language, Sweet's Anglo-Saxon Primer, Skeat's Chaucer, Rolfe's Edition of Shakespeare's Plays, Hudson's Wordsworth, Thurber's Selected Essays of Macaulay and Addison, Irving's Tales of a Traveler, Spencer's Faerie Queen, Kitchin's Edition, Bk. I.; Bacon's Essays, Gayley's Classic Myths (Ginn), and, in general, the volumes published in the Clarendon Press English Classic Series; Cassell's National Library, Ginn's Classic Series, The Riverside Literature Series (Houghton, Mifflin & Co.), Maynard's English Classics, the Students' Series of English Classics (Leech, Shewell & Sanborn), and other similar issues.

STUDENTS' ORGANIZATIONS IN THE ADELPHI ACADEMY.

1. THE ADELPHI LITERARY ASSOCIATION.—*Officers*: President, Edward H. Jewell, '95; Vice-President, Mabel E. Shaw, '95; Secretary, Jay Van Everen, '95; Treasurers, Lorraine Willits, '98, and J. Mandly Hills, '95. Annual exhibition, Friday, May 10th, 1895, in the Academy Hall, at 8 P. M.

2. THE ADELPHI DEBATING SOCIETY.—*Officers*: President, Stanley E. Gunnison, '98; Vice-President, Warner James; Treasurer, J. A. C. Jansen, '98; Secretary, William R. Gelston, '98.

3. THE ADELPHI ACADEMY GLEE CLUB.—*Officers:* President, Rebecca L. Hooper, '96; Secretary, Edna Story, '97; Librarian, Gertrude L. Thursby, '98; Music Committee, Bertha Richardson, '96; Beulah B. Munson, '97; Grace Seaman, '98; Helen H. Frost, '99; Grace S. Young, '00. Annual concert, Friday, May 3d, 1895, in the Academy Hall, at 8 P. M.

4. THE ATHLETIC ASSOCIATION.—*Officers:* President, Franco C. Munson, '95; Vice-President, Jay Van Everen, '95; Secretary, Arthur W. Opp, '95; Treasurer, Edward H. Jewell, '95; Captain of the baseball nine, Edward H. Jewell; Captain of the football team, F. C. Munson; Captain of the track athletic team, Henry H. Romer. Annual exhibitions: Boys' Classes, March 15, 1895; Girls' Classes, March 29th, 1895; in the Gymnasium, at 8 P. M.

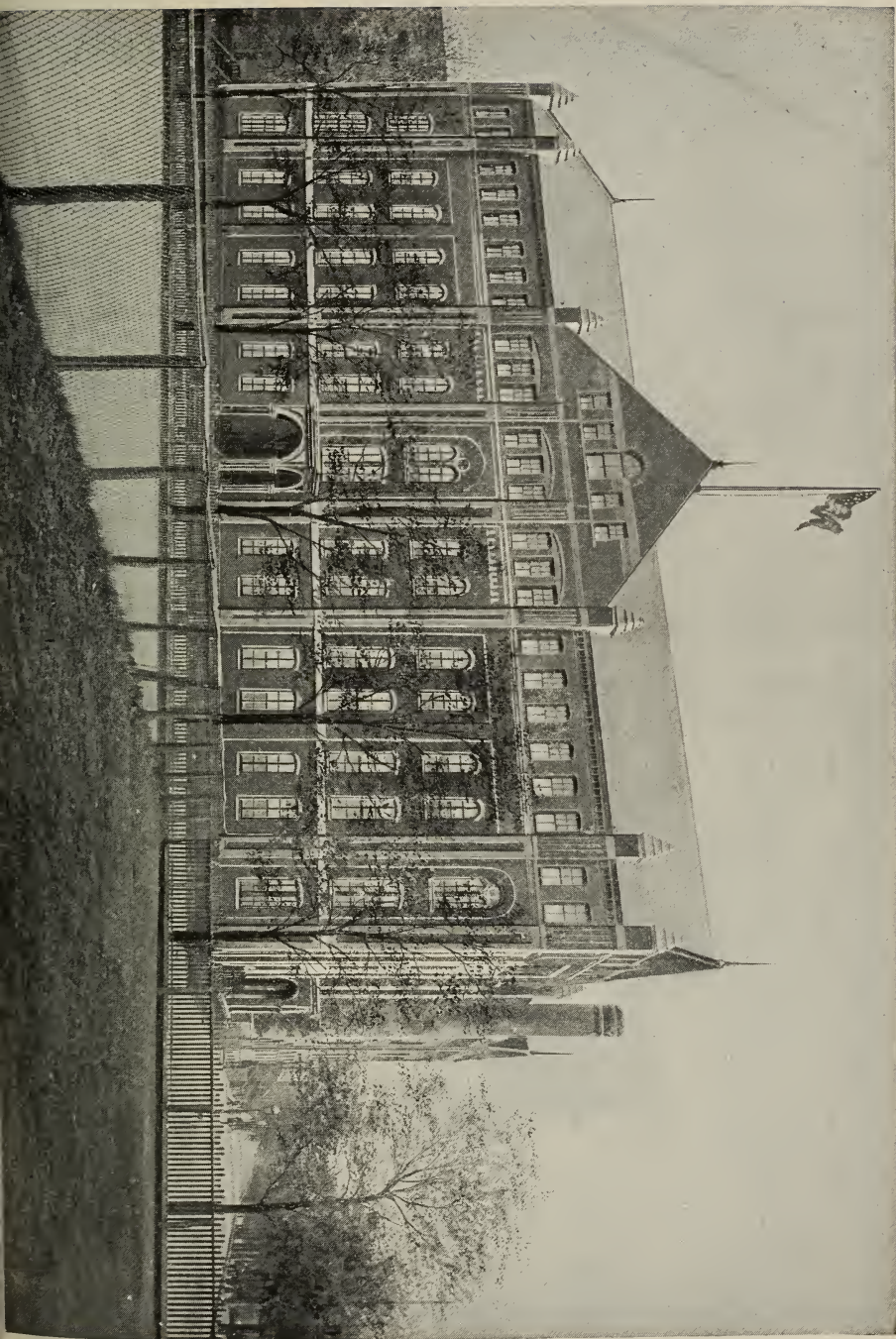
Athletic Advisory Committee: Faculty members, Prof. Wm. W. Share, Mr. John H. Safford; Alumni member, Mr. Charles P. Hutchins; student members, Franco C. Munson, Edward H. Jewell.

ORDER OF EXERCISES AT THE GRADUATION OF THE CLASS OF 1894.

COMMENCEMENT DAY, JUNE 12th, 1894.

1. MUSIC—Organ Prelude.
2. INVOCATION—By *Rev. Dr. John Humpstone*.
3. MUSIC—"Song of Welcome." *Adelphi Glee Club*.
4. ORATION—"The Development of Charity." *Alvan A. Tenney*.
5. ESSAY—"Social Life in Brooklyn Fifty Years Ago."
Marguerite N. Beach.
6. ORATION—"Ethics in the Class Room." *Henry Fletcher*.
(Excused from speaking.)
7. ESSAY—"The Advantages of Country Life." *Nellie R. Bentley*.
8. MUSIC—"Sion." *Adelphi Glee Club*.
(With violin obligato by Mr. Louis Mollenhauer.)
9. ORATION—"The Work of Galileo." *Frederick A. Welles*.
10. ESSAY (with Valedictory, "The Call to Woman."
Elizabeth M. Rhodes.
11. ADDRESS BY THE PRINCIPAL AND PRESENTATION OF DIPLOMAS.
12. MUSIC—"Graduation Song." *Adelphi Glee Club*.
13. ADDRESS. By *Rev. John Brittan Clark (Adelphi, '82)*.
14. MUSIC—"Adelphi School Song." *Adelphi Glee Club*.
15. MUSIC—"Organ Postlude."

Fourteen members of the class of '94 were graduated from the Classical Course; seven members were graduated from the Collegiate Course, and two from the Scientific Course.



STUDENTS IN THE ADELPHI ACADEMY.

1894=1895.

KINDERGARTEN.

Ballance, Bessie I.
Best, Gladys C.
Biederman, Ella Frances
Broes Van Heekeren, Elizabeth
Burrows, Emilie F.
Eastman, Helen L.
Firth, Mildred
Hewitt, Jessie H.
Humbert, Helen
Johnson, Marguerite
Johnston, Grace L.
Levermore, Margaret
Lockwood, Olive
Planten, Florence M.
Quinn, Fannie M.
Schlegel, Elsa M.
Templin, Marguerite R.
Terrett, Helen S.
Trask, Olive A.
Von Glahn, Adelaide C.
Wilson, Lucy H.
Wyckoff, Mildred

Bretz, Harold B.
Brown, Eugene L.
Burchard, Allen E.
Dunne, Desmond
Ford, Donald
Hewitt, George F.
Hough, Harry P.
Howard, William F.
Johnson, Merrill
Klipstein, August
Levermore, George K.
Liebler, Harold B.
Marten, Richard H.
McMicken, John N.
Palmer, Chester U.
Planten, John R.
Sayre, Caryl H.
Schradiack, Emil
Sherwood, Oliver B.
Smith, Donald J.
Smith, Harold E.
Swain, David W.
Taft, Dwight S.
Von Glahn, John
Werner, Charles J — 49.

Allen, Morse I.
Barlow, John F.

ACADEMIC DEPARTMENT.

INTERMEDIATE GRADE.

Bellinger, Katherine M.	Vail, Florence
Bogardus, Pauline H.	
Critchley, Helene Marie	Burling, W. Raymond
Cutter, Marian	Burr, Charles P.
Dixon, Clara	Eldredge, O. Stanley
Evans, Sarah Louise	Evans, Alfred M.
Holmes, Hazel A.	Everett, S. Kendrick, Jr.
Klipstein, Lulu	Hager, Dudley L.
Martin, Mary M.	Holmes, John Field
Peabody, Henriette C.	Holt, William W.
Persons, Marjorie Mae	Jewett, Arthur
Richardson, Florence	Levermore, Charles L.
Shepard, Edna	McKinny, Archibald
Slocum, Lorna J.	Solinger, Oliver M.
Smith, Marion L.	Von Glahn, John
Southard, Beatrice	Williams, Arthur L.
Stopenhagen, Elsie	Woodward, Cedric Rainey—33.

FIRST GRADE.

Biglow, Gladys	Chichester, Percival
Cinnamond, Helen	Dimond, Walter S.
Crombie, Ruth E.	Dodd, Allen R.
Gibb, Dorothy	Downer, Delavan B.
Hall, Ethel H.	Dunning, Clifford A.
Harlow, Ruth	Everett, Harry S.
Hart, Margaret G.	French, John
Holt, Irene B.	Gray, A. Freeman
Kayser, Sophie M.	Griffiths, Butler, Jr.
Marston, Dorothy H.	Hoag, John Albert
Morse, L. Violet	Holman, Frederick L.
Pfarre, Gertrude P.	Johnson, Walter H.
Schradieck, Margaret	King, Ralph
Scrymser, Lillian E.	Lincoln, Henry L.
Stoughton, Edna	Martin, Stirling
Taylor, Gertrude	McAllister, Douglas H.
Tomes, Valerie G.	McVaugh, Keith F.
	Owen, Malcolm W.
Bedford, Edward T.	Paine, Arthur P.
Bray, Paul	Peckham, Henry Duncan

Pinney, Harold R.
 Platt, Charles H.
 Prosser, T. Harold
 Quinn, T. Sidney
 Robbins, Harold K.
 de Selding, F. Monroe

Smith, Howard V.
 Solinger, Walter B.
 Trask, Wayland, Jr.
 Westervelt, G. Parker
 Williams, Albert D.—50.

SECOND GRADE.

Ackerman, Lesley L.
 Ballance, Ethel
 Biederman, Mabel H.
 Broadhurst, Grace A.
 Burr, Edna A.
 Clapp, Henrietta S.
 Covert, Constance E.
 Douglas, Annie M.
 Folwell, Beatrice L.
 Graef, Grace H.
 Harris, Mabel J.
 Haviland, Ruth
 Janes, Edith R.
 Jarvis, Edith L.
 Knapp, Amy
 Levy, May
 Loughran, Elsie M.
 Martin, Marjorie S.
 Murdock, Dora McC.
 Ogden, Helen M.
 Ogg, G. Madeline J.
 Paddock, Gertrude
 Price, Bessie
 Russell, N. Shirley
 Shelley, Marguerite L.
 Shift, E. Madeline
 Shift, Lillian Oliver
 Smith, Ada
 Van Nostrand, Katherine R.
 Williams, Isabel L.
 Wood, Marie
 Worrell, Helen M.

Burn, Edward
 Catlin, Reginald W.
 Chapin, Edward E.
 Coffin, Ivan R.
 Corliss, Welling S.
 Cummings, Louis C.
 Dana, Harold E.
 Denison, Rial N., Jr.
 Ford, Sumner
 Germond, Russell C.
 Gould, Howard C.
 Grant, Frank L.
 Green, Lloyd Arci
 Haight, Austin D.
 Haviland, Frost
 Hill, Edward H.
 Hooker, Davenport
 Hoschke, William E.
 Liebler, Theodore A.
 Loughran, Alex. M.
 Mayhew, Zeb, Jr.
 McNicholl, Alexander
 Moffett, Rudolph D.
 Montgomery, Kenneth R.
 Owens, R. Stuart
 Ripton, James L.
 Sayer, Winthrop M.
 Sayre, Howell E.
 Street, Richard H.
 Swan, Kingsley
 Thayer, Gordon C.
 Thorn, Henry C., Jr.
 Trube, Herbert L.
 Vought, Donald W.
 Wyckoff, Herbert A.—70.

Aller, T. Gustin, Jr.
 Bamberger, Morton D.
 Bedford, Henry E., Jr.

THIRD GRADE.

Aalholm, Rosalie L.
 Ackerman, Annie G.
 Affeld, Ida E.
 Bedford, Mildred E.
 Carpenter, Mary C.
 Chapman, Bertha
 Crary, Annie B.
 Dingee, Nellie
 Edwards, Margaret A.
 Eldredge, Florence V.
 Goubert, Marguerite
 Gould, Fannie C.
 Howard, Ruth
 Ingraham, Edith
 Ingraham, Ruth
 Jacobus, Ethel B.
 Jewell, Florence G.
 Johnston, Sarah H.
 Knapp, Grace B.
 Langley, Edith M.
 Lawrence, Imogene
 Levy, Mamie
 Martin, Adele
 Matson, Anna Nathalie
 McVaugh, Hester
 Moller, F. Edna
 Naylor, Florence E.
 Peters, Dorothy
 Potter, Marianna S.
 Scrymser, Christabel
 Sherwood, Mabel E.
 Silkman, Carrie E.
 Swezey, Elsie M. B.
 Swezey, Mabel K.

Trier, Minnie
 Watson, Edith C.
 Welles, Julia T.
 Wilson, Helen

 Aalholm, Arthur C.
 Biglow, L. Horatio
 Carney, Lester M.
 Carpenter, Willie H.
 Carter, Frederick L.
 Comins, Fred G.
 Dixon, Abner Faison
 Ewing, William J. G.
 Frost, Edwin D.
 Gilmore, Robert W.
 Halpin, Mortimer E.
 Haviland, Charles S.
 Horton, George S.
 Keller, William B., Jr.
 Marston, Trowbridge
 Mason, Arthur P.
 Merrihew, J. Edward
 Meyer, Henry W.
 Minton, Ogden
 Moffett, Robert E.
 Nevin, Wesley H.
 Parsons, Charley D.
 Piel, William W.
 Runyon, Ralph
 Shepard, Lawrence H.
 Smith, Frank G.
 Trenkmann, Charles
 Warden, Kenneth
 Wood, Bernard H., Jr.—67.

FOURTH GRADE.

Askew, Bertie C.
 Bedford, Grace M.
 Boreham, Arabella
 Broes van Heekeren, Hendrika
 Burn, Grace
 Chapman, Emily G.

Cinnamond, Ethel R.
 Coombs, Edna
 Davidge, Maria D.
 Douglas, Jennie
 Eldredge, Arvilla R.
 Forest, Katherine

Frazier, Marion
 Frost, M. Urlah
 Graef, Nellie T.
 Guyon, Kate R.
 Harding, Annie B.
 Hasbrouck, Edna A.
 Haver, Violet R.
 Hoschke, Louisa M.
 Kenyon, Rachel
 Lima, Enid
 Mills, Grace E.
 Persons, Clare G.
 Popoff, Olga
 Pratt, Marion S.
 Quinby, Edith
 Reimers, Elisabeth
 Ruckgaber, Isabel E.
 Sawyer, Mina J.
 Sayer, Helen
 Schradieck, Helen E.
 Smith, Mae P.
 Trenkmann, Emma
 Turner, Grace

 Adams, F. Leon
 Almirall, Leon V.
 Baldwin, Marshall D.
 Baldwin, Oran
 Behrends, Frederick R.
 Berri, Herbert
 Blakeley, Robert
 Budington, Walter I.
 Colson A. Ellicott
 Cooney, Stanley L.
 Crombie, Dwight H.
 Crouse, Herbert T.
 Duncan, David
 Firth, Godfrey T.

Fowler, Royal H.
 Gates, Harry E.
 Griffiths, Leon H.
 Halstead, Harold
 Haviland, Marston
 Hitch, Robert S.
 Hooper, F. Dana
 Humpstone, Ernest B.
 Humpstone, Harold D.
 Johnston, Charles W.
 Jürgens, Hermann
 Kehr, Gustav
 Knapp, Charles W.
 Knox, H. Gard
 Koehler, Percival W.
 Mason, Roger
 Mathews, Edward G.
 Murray, W. Russel
 Palmer, Austin P.
 Payne, Howell
 Pfarre, Edgar G.
 Reynolds, George G.
 Rogers, Harry M.
 Ruckgaber, William
 Schmidt, John W.
 Scrymser, Birdsall A.
 Simonson, George L., Jr.
 Somers, Donald M.
 Stafford, William V.
 Sterling, George
 Stothoff, J. Henry
 Trenkmann, Robert
 Uptegrove, Gifford M.
 Warden, Loris
 Waring, Robert L.
 Webster, Ralph
 Williams, Albert B.—86.

FIFTH GRADE.

Bates, Ethel E.
 Bogardus, Daisy R.
 Bon, Mary B.

Buys, Mabel A.
 Carpenter, Anna T.
 Casamajor, Martha

Christensen, Alice F.
 Dallas, Mary
 Dimond, Mary
 Dixon, Mary F.
 Duncan, Mary W.
 Ewing, Margaret
 Fisher, Phebe
 Friedhoff, May F.
 Gard, Mary
 Goldsmith, Beatrice
 Harris, May S.
 Haver, Florence
 Henderson, A. Jean
 Hollingshead, Bessie L.
 Johnston, Edna O.
 Jürgens, Mary
 Kenyon, Helen
 Kingman, Emilie S.
 Kouwenhoven, Cornelia K.
 Langley, Marjorie S.
 Lawrence, Azilia M.
 Lazelle, Mabel E.
 Nichols, Margaret F.
 Ogden, Edith R.
 Peters, Carrie W.
 Pinney, Grace D.
 Righter, Jessie H.
 Rogers, Lulu
 Schradieck, Alice
 Steenken, Anna M.
 Vanderbilt, Minerva
 Wanamaker, Lulu M.
 Wheeler, Hariette
 Wheeler, M. Elizabeth H.
 Williams, Ethel

 Adee, David E.
 Bacchus, Stockbridge
 Beach, Frank C.

Beesley, Roland
 Bentley, Ellis W.
 Boughton, Everett W.
 Bruff, Harold
 Burn, Harry L.
 Butler, D. Douglas
 Candee, Walter M.
 Chandler, Willis D.
 Cragg, Walter H.
 Dewey, S. Bradford
 Fisher, Benjamin A.
 Flagg, Herbert H.
 Gibson, W. Hamilton, Jr.
 Harris, George Burdette
 Hillyard, William K.
 Humphrey, Frederick L.
 Ingraham, Olin
 Kelsey, J. Arthur
 Knudson, Morris F., Jr.
 Loeser, Frederick
 Marston, Russell
 Moore, Eliot D.
 Mudge, Samuel T.
 Norton, Henry W., Jr.
 Pouch, Oscar G.
 Primrose, Charles L.
 Quin, Joseph P.
 Roberts, George
 Robinson, James L.
 Rushmore, Arthur W.
 Schieren, Harry V.
 Seaman, Ralph
 Stone, Elmer
 Travis, Geo. C., Jr.
 Van Nostrand, Norman W.
 Westlake, Herbert E.
 Wheeler, Henry H.
 Williams, Donald D.
 Woods, Leonard M.—83.

SIXTH GRADE.

Abraham, Edith S.
 Allen, Mary Edith

Backhouse, Lillian A.
 Backhouse, Ruby

Bedford, Emily H.
Bowne, Alice D.
Brown, Gwendolen
Butler, Mary S.
Clapp, Margaret S.
Combes, Phebe S.
Coppins, Hazel E.
Courtney, Edith M.
Crum, Lulu
Cutter, Ruth
Demarest, Minnie R.
Emery, Maude L.
Gelston, May
Harris, F. Estelle
Hedge, Sophie B.
Hoople, Bessie M.
Houghton, Emily R.
Jürgens, Sophie M. R.
Kane, Josephine W.
Kowenhoven, Lillie
Lambert, Elizabeth C.
Levy, Dora
Levy, Estelle
Levy, Lenora
Martin, Lillie O.
McCullough, Grace E.
Merrihew, Caroline R.
Mitchell, Marguerite
Murr, Laura H.
Murray, Marie A.
Nichols, Louise C.
Parker, Florence H.
Parsons, Elizabeth H.
Powers, Florence E.
Quaile, Edith M.
Ralph, Alice.
Rayner, Florence R.
Ruckgaber, Helene L.
Ruckgaber, Laura L.
Rutan, Ella M.
Saunders, Mary E.
Seamans, Mabel G.
Selden, Florence A.

Somers, May
Squier, Ethel C.
Stearns, Alice
Story, Josephine B.
Sullivan, Edith
Thayer, Beatrice
Trier, Mety
Uhler, Maude
Washburn, Adelaide S.
Weil, Meta
Welles, Mary S.
Whitney, Marian
Whitney, Marian S.
Woodhull, Anna M.
Woodhull, Caroline L.
Woods, Evelyn L.
Young, Edna A.

Adams Ernest C.
Benson, Edwin P.
Bushnell, Ezra L.
Campbell, Alexander C.
Carpenter, Charles A.
Darrin, Sidney I.
Davies, Thomas R.
Dewey, Ralph C.
Dunham, Ernest F. R.
Fitch, Harry A.
Frost, Kingsland M.
Funk, Wilfred John.
Gibb, Edward
Graff, Edward I.
Griffiths, B. Albert
Hall, Lewis B., Jr.
Harding, Edward R.
Hendricks, Walter R.
Jenkins, Clarence C.
Kenyon, George
Langley, William C.
Lengfelt, Francis H.
Mathews, Butler A.
McKane, William E.
Mudge, Alfred E.

Pardessus, Florian G.
 Pell, William W.
 Pratt, Clarence A.
 Salisbury, Albert T.
 Salter, Robert S.
 Schard, George P.
 Silleck, William M.
 Silkman, C. Hallock

Smith, Andrew A., Jr.
 Smithers, Howard B.
 Stikeman, Charles, Jr.
 Stoiber, Edwin L.
 Thornton, Lewis M.
 Thursby, Rodney
 Wheeler, Benjamin R. —104.

SEVENTH GRADE.

Arfinann, Sophie B. (Sp.)
 Bray, Marion H.
 Britton, Clara
 Bushnell, Mary A.
 Cartledge, Edith E.
 Chace, Lillian De Forest
 Chivers, Annie Eleanor
 Cotton, Edith A.
 Cotton, Grace C.
 Eldredge, Marion B.
 Emanuel, Alice S.
 Emerson, Ethel M.
 Ewing, Jean
 Flagler, Grace E.
 Fuller, Ethelyn A.
 Guyon, Ethel W.
 Hacker, Louise
 Henson, Violet L.
 Hitch, Laura D.
 Hollenback, Juliette G.
 Homer, Florence T.
 Loweree, Eleanor L.
 Marshall, Georgie M.
 Martin, Harriett M.
 McWilliams, Helen M.
 Meyer, Fannie F.
 Milne, Daisy (Sp.)
 Mudge, Clara D.
 Peirson, Susan W. (Sp.)
 Peters, Ruth
 Pfeiffer, Jenny I.
 Popoff, Nadia
 Rapalje, Cornelia
 Robinson, C. Marguerite

Rogers, Alice H.
 Scudder, Edna H.
 Scudder, Mai H.
 Steenken, Elsie
 Turner, Matilda
 Van Cleve, Christine
 Vernon, Laura
 Whiting, Bessie
 Whitney, Edith
 Whitney, Katharine E.
 Wilson, Florence
 Wilson, Florence M.
 Young, Grace S. (Sp.)

 Ager, John W.
 Armstead, Daniel McPherson
 Barnett, Percy W.
 Barron, Ben M.
 Berri, Walter
 Brown, Allan H.
 Burtis, William E.
 Casamajor, Louis
 Dunning, Clarence
 Emery, William F.
 England, William H.
 Ferguson, Joseph
 Forney, Albert J.
 Frisby, Albert E.
 Gravenhorst, Paul G.
 Green, Irving C.
 Greningen, Arthur
 Griffiths, G. Arthur
 Harris, Wilson P.
 Jeffery, George C., Jr.

Langhaar, Louis
Lawrence, Parker V.
Litch, William K.
May, Monroe
Osborne, Charles W.
Piel, Alfred L.
Piel, Elmer W.
Pond, Charles M.
Quinby, Paul V. C.

Riedel, Oscar C.
Smithers, Charles H.
Spencer, John H.
Thomson, Ralph M.
Topping, Ray M.
Uptegrove, William E., Jr.
Wellington, Frank H.
Yallalee, Allan J.
Yallalee, Charles H.—85.

EIGHTH GRADE.

Aller, Georgetta P.
Appleton, Winifred
Attwood, Emmie L.
Bacchus, Josephine Stearns
Bacchus, Mary Stockbridge
Bowne, Mary A.
Buchenberger, Carrie A.
Butler, Elizabeth S.
Christensen, D. Bessie
Comins, Nellie A.
Crampton, Cecilia
Fradley, Sadie Russen
Frost, Agnes
Frost, Helen Halstead
Garland, M. Adelaide
Goldsmith, Theodora
Graff, Lucy
Greene, Olive E.
Hallock, Mary D.
Hedge, Saidee W.
Hore, Edith R.
Houghton, Helen B.
Irish, Alice F.
Keilholz, Amy A.
Kirkman, Ethel
Lahey, Marguerite J. D.
Lockwood, Nannie
Loeser, H. Bertha
MacKenzie, Jeanie M.
Marshall, A. May
Mayhew, M. Louise
McCarroll, J. Frances

Miles, Alberta C.
Mulvihill, Catharine M.
Murphy, Florence G.
Murr, Addie B.
Nichols, Kate Sterne
Parker, Marjorie E.
Perkins, Jessie T.
Pladwell, Edna S.
Ray, Helen
Redding, Helen Edmunds
Righter, Katharine A.
Romer, Elizabeth P.
Salisbury, Jennie K.
Seaman, Maude
Selden, Mary E.
Shay, Nellie J.
Siede, Ethel Louise
Tapken, Anita J.
Thackray, M. Josephine
Thomson, Edith McKee
Titcomb, Leila W.
Travis, Lillian G.
Trube, Jessie M.
Whittaker, Margaret S.

Addy, Richard C., Jr.
Backhouse, George G.
Bancker, Andrew O.
Bates, Leonard W.
Beasley, Jack G.
Benjamin, Walter Adams
Bentley, John, Jr.

Bergen, Cornelius R.
 Boyer, Russell L.
 Budington, Ernest G.
 Dutcher, Edwin B.
 Fletcher, Robert S.
 Frankenberg, William S.
 Gardner, Archie
 Halstead, Kenneth B.
 Harding, George C.
 Harris, Frederick L.
 Heyward, Frank D.
 Holden, Emery B.
 Hopkins, Joseph G.
 Huntting, George H.
 Hussey, Richard I.
 Ingraham, Edward Andrews
 James, Halsted
 Jenkins, Wilson W.
 Keilholz, William F.
 Langdon, Philip C.
 Latimer, Raymond I.

LeFevre, Francis E.
 Ludlam, Malcolm Curtis
 McLean, David J.
 Moore, Arthur S.
 Packard, Harry A.
 Powell, Theodore N.
 Roberts, U. Monroe
 Salter, John L., Jr.
 Schorah, Robert J.
 Sullivan, Charles
 Topping, Howell
 Trier, Hans
 Tuttle, Walter I.
 Williams, Frank D.
 Wilson, Eugene S.—99

SPECIAL STUDENTS.

Wiswell, Dora C.
 Nesmith, Ralph H.
 Ogden, Alfred.—3.

KINDERGARTEN TRAINING CLASS.

SPECIALS.

McDougall, Emma
 Pendleton, Maria

JUNIOR.

Bateman, Lena
 Crane, Marguerite
 Davis, Jessie M.
 Haupt, Amy Sophie
 Hunter, Bessie M.
 Story, Katharine K.

SENIOR.

Barnhart, Bertha M.
 Blackman, Adele
 Edwards, Mrs. Luella Bates
 Frary, Helen Richmond
 Greene, Agnes E.
 Holmes, Margaret Cook
 Lloyd, Mary Johnson
 Mills, Elsie Cornell
 Peckham, Mrs. Victoria D.
 Plaettner, Elise.—18

DEPARTMENT OF PHYSICAL CULTURE.

Adee, Minnie
 Arrison, Mrs. C. P.
 Billwiller, Mrs. C. J.

Bornu, Mrs. Frank
 De Baun, Florence R.
 Ferris, Clare L.

Kelton, Laura
Muller, Alice
O'Brien, Grace
Palmedo, Mrs. A.

Ray, Mabel
Rowley, Lena
Stott, Beatrice M.
Dornbusch, William F.—14.

ART DEPARTMENT.

Billwiller, Mrs. C. J.
Blackmore, May
Bock, Jennie
Burkey, Anna
Campbell, Florence
Campbell, Mrs. F. A.
Chew, Alice M.
Cleaves, Annie B.
Darling, Anna M.
English, Augusta H.
Field, Ada M.
Finks, Theodora
Fish, Sara C.
Fitzmaurice, Mrs. H. E.
Foley, Celia D.
Goodrich, Ellen C.
Graham, Elizabeth S.
Hoyt, Margaret
Ingraham, Frances T.
Ketcham, Adele
Lane, Edith C.
Leverich, Minnie
Lewis, Cornelia

Mandeville, Mrs. A. L.
Manville, Mrs. Keith R.
Miles, Stella
Millett, Ellie
Nieland, Tillie M.
O'Brien, Sadie E.
Packard, Mrs. L. R.
Plummer, Ethel M.
Quinlan, Florence
Ray, Edith
Rountree, Sallie
Shrewsbury, Henrietta
Sieber, Erna M.
Smith, Ada
Stevens, Grace E.
Whitmore, B. Olive

Boerum, Folkart R., Jr.
Deming, Irving Standish
Driggs, Arthur W.
Frazer, Samuel W.
Quinlan, Will, Jr.—44.

COLLEGIATE DEPARTMENT:

SPECIAL STUDENTS.

Armstrong, Carrie A.
Bates, Mary E.
Bentley, Meta E.
Brunn, Ilse V.
Chase, Harriet A.
Clark, Mary A.
House, Kate A.

Kent, Georgia
Lloyd, Mary J.
Parker, Grace E.
Patterson, Margaret A.
Phillips, Bertha
Richardson, Bertha
Seaman, Emily C.

Shepperson, Mary J.

Birdsall, Walter D.

Blakely, John, Jr.

Byers, Mortimer, W.

Creevey, William S.

Pouch, Edgar D.—20.

JUNIOR CLASS.

Bedford, Mary E.

Benedict, M. Marion

Brooks, Louise

Combes, Frances A.

Eldredge, Edna H.

Ewing, Elizabeth

Hall, Mildred F.

Haver, Lulu M.

Hollenback, Amelia

Humpstone, Helen

Kelsey, Emily G.

Langdon, Annie E.

Leggett, Emma B.

Lockwood, Isabelle

Logan, Julia

Martin, Florence E.

McCarroll, Irene M.

Ogden, Kate C.

Ogg, Emma Jessie

Pfeiffer, Clara A.

Preston, Maud I.

Ray, Edith

Rose, Olga L.

Seaman, Grace

Shepperson, Carrie W.

Stanton, Mildred A.

Thursby, Gertrude L.

Tuthill, Alice M.

Valentine, Florence E.

Vernon, Edith L.

Willets, Anna

Willits, Lorraine

Bergen, Eldert

Berking, Max B.

Chadwick, George B.

Dewey, Alan B.

Eldredge, Elliott M.

Forney, Mowbray W.

Gelston, William R.

Graff, Frederick

Gunnison, Stanley E.

Hanse, Charles W.

Hillmann, Hugo G.

James, Warner

Jansen, John A. C.

Kempton, Edwin, Jr.

Lahey, Henry H.

Liebmann, Robert E.

Möller, Albert V.

Owen, Wallace H.

Shapiro, Benjamin A. M.

Simons, George A.

Simons, John F.

Stearns, James H.

Williams, Howard S.

Wilson, Stanley K.

Young, Harvey C.—57.

JUNIOR MIDDLE CLASS.

Atwood, Helen

Behre, Emma A.

Casamajor, Mary

Davol, Marian

Ewing, Christina

Hall, Elizabeth N.

Hanks, Helen A.
 Hopkins, Mary M.
 James, Ethel
 Johnson, Margaret E.
 Knudson, Mabel A.
 Leeming, Winifred C.
 Liebmann, Florence H.
 Matthews, Mary E.
 Mitchell, Bernice P.
 Munson, Beulah B.
 Munson, Mabel E.
 Munson, M. Louise
 Parker, Helen C.
 Pfizer, Alice M. E.
 Righter, Harriet T.
 Ripley, Julia A.
 Roberts, Rosamond
 Rose, Matilda C.
 Stockwell, Ethel S.
 Story, Edna

Tobey, Ethel M.
 Babcock, Edwin G.
 Barlow, Elbert S.
 Bedford, Frederick T.
 Braman, Hiram V. V., Jr.
 Britton, A. Dudley
 Brooks, Royal D.
 Corbett, E. Howard
 Crampton, Foster
 Dettmer, Justus G.
 Ingraham, Henry A.
 Morgans, Frank D.
 Ohly, John H.
 Patterson, Edward C.
 Plyer, Arthur M.
 Stearns, Edgar F.
 Van Sickle, Edward E.
 Welles, Edward R. —44.

SENIOR MIDDLE CLASS.

Baker, Sarah C.
 Bowen, Jane
 Casamajor, Alice
 Harding, A. Caroline
 Harrison, A. Maud
 Hooper, Rebecca L.
 Kelley, Agnes S.
 *Montgomery, Carolyn A.
 Patterson, Margaret A.
 †Pettit, Grace A.

Pouch, Mabel J.
 Taylor, Susie B.
 Adams, Robert C.
 Cutter, William D.
 Hawkins, Stephen O.
 Hebard, Arthur F.
 Hills, John S.
 Hutchins, George P.
 Shoudy, William A —19.

SENIOR CLASS.

Duncan, Bessee
 Gilmor, Anna T.
 Graff, Helen L.
 *Matson, Esther
 McCarroll, Marion C.

Puels, Glenada
 Romer, Amy C.
 Royce, Helen E.
 Shaw, Mabel E.

* Absent in Woman's College, Baltimore, Md.

† Absent in Smith College, Northampton, Mass.

Vernon, Mabel A.
Wilson, Lily R.

Casamajor, Walter
*Dexter, Frank H.
Geer, Ledyard C.
Hills, J. Mandly
Jewell, Edward II.

Munson, Franco C.
Opp, Arthur W.
Robinson, Edward W.
Romer, Henry H.
Simpson, David G.
Thackray, Richard
Van Everen, Jay—23

* Absent in Cornell University, Ithaca, N. Y.

SUMMARY.

Kindergarten Department	49
Academic Department	680
Kindergarten Training Class	18
Physical Culture Department	14
Art Department	44
Collegiate Department	163
	968
Omitting repeated names	3
Total	965



THE ADELPHI ACADEMY ALUMNI ASSOCIATION.

ORGANIZED JANUARY 3, 1884.

The Register of Graduates, which has heretofore been printed annually, will hereafter be issued to the Alumni at intervals of three years. The Bursar, Miss Morrill, should be informed of any changes in address or of any items of interest concerning Alumni, in order that the list which was published in the catalog for 1893-94 may be corrected to date.

The Academy is indebted to many members of this Association for their earnest efforts during the current year to raise funds for the equipment of the Adelphi Playing Field. It is largely due to their labors that the field has been fenced and placed in condition for use as a baseball ground this spring.

At the annual meeting of the Association, held at the Academy during the evening of April 15th, 1895, the following members were elected to fill the offices for the year ensuing :

President, Mr. Joel S. de Selding, Caton Avenue, Flatbush; Vice-President, Miss Caroline D. Camp, 257 Lafayette Avenue; Secretary, Miss Mabel L. Hastings, 276 Ryerson Street; Treasurer, Mr. Charles P. Hutchins, 796 DeKalb Avenue.

A notable development in the Alumni organization has occurred during the year in the formation of an auxiliary association known as the "Associate Alumnæ of the Adelphi Academy."

This Association was organized on the second of February, 1895. All Alumnæ of the Academy are eligible to membership. The Association is intended to provide for the Alumnæ convenient means for better social acquaintance and for organized effort in behalf of the Academy. For the greater convenience of the members the meetings of the Association are held in the afternoon.

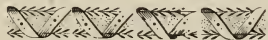
The officers for the present year are as follows: President, Miss Caroline D. Camp, 257 Lafayette Avenue; Vice-President, Miss Mary M. Braman, 321 Clinton Avenue; Treasurer, Miss Helen F. Pratt, 232 Clinton Avenue; Secretary, Miss Isabel Peckham, 406 Classon Avenue.

ANNOUNCEMENT.

Professor Warren T. Webster has been in the Adelphi Academy so long that people have rightly come to regard him and the Academy itself as almost identical. He entered the school before it was incorporated, and this is his twenty-eighth year of continuous service. During this time, at the head of the classical department he has won enviable fame, both as a teacher of the classical languages and as an educator, whose strong and admirable personality has made a deep and lasting impression upon all pupils who entered the collegiate department of the Academy. It is not too much to say that Professor Webster has not only won the respect, but the affection of every class that has come under his supervision. After these twenty-eight years of service, Professor Webster's health has become much impaired. In recognition of his long labor and need of rest, the Board of Trustees has granted him a year's leave of absence, during which time it is his intention to go abroad, mainly in search of health and recreation, and partly also for educational profit. The active work of controlling and directing the whole course of the classical study in the Academy must now be placed in other hands, and it is believed that the best man within reach has been secured in the person of Professor William Cranston Lawton.

Professor Lawton is already well known to the public as a teacher and author. He graduated at Harvard with the Class of 1873, winning at that time a place in the Harvard Chapter of the Phi Beta Kappa. He was placed immediately at the head of the classical department of the New Bedford High School, and remained there for seven years, gaining recognition as a most successful teacher of preparatory Latin and Greek. He left this position in order to enter upon an extended course of post-graduate study and of travel, chiefly in the old world. He was a member of the Assos Archæological expedition to Asia Minor in the year 1881. He also lived and studied for several years in Germany and Italy. Afterwards, for seven years more, he was Professor of classical languages in one of the finest preparatory schools in the city of Boston, and was also actively engaged in the efforts to support the

American School of Greek at Athens, and to raise funds for the purchase of the site of the temple at Delphi. After the school in which Professor Lawton was engaged passed under a new management, he left it and engaged in literary work and in lecturing. He also did collegiate work in instruction at Bryn Mawr and Columbia College. In the latter institution he now holds a lectureship. In recent years he has been much interested in university extension work, and his course of lectures on "The Literary Study of Homer" attracted the favorable attention of audiences at the Brooklyn Institute. Mr. Lawton is a member of the American Philological Association and of the Archæological Institute, and for four years held the position of Secretary to the latter organization. His literary talents and fine æsthetic discrimination are well known to all readers of the *Atlantic Monthly*, in which a large amount of his published work has appeared. His extended travels in Greece and Asia Minor, especially in connection with the Expedition to Assos, and with the American Greek School at Athens, have enabled him to give a strong local color to his studies of classical authors, and many of the observations which were the result of his sojourn in the East have already become familiar to the readers of the *Atlantic*. In 1889 he published, through the house of Houghton, Mifflin & Co., a scholarly and interesting volume, entitled "Three Dramas of Euripides."

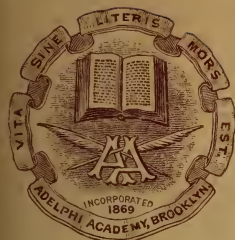


FORM OF BEQUEST.

I give, devise, and bequeath unto the Adelphi Academy of Brooklyn the sum of dollars, to be paid to the said corporation by my executors.



3H
95/96



The Adelphi Academy
Of BROOKLYN.

1895—1896



THE ADELPHI ACADEMY

Of BROOKLYN,

Lafayette Avenue, St. James Place and Clifton Place.

Twenty-seventh Annual Catalog.

BROOKLYN, N. Y.

1895—1896.

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THE ADELPHI CALENDAR.

1896—1897.

1896.

June 8.....	Monday.....	Exhibition Day; Graduation Exercises of the Kindergarten Training Class.
June 9.....	Tuesday	Commencement Day.
June 10.....	Wednesday.....	Applications for Admission.
Sept. 16.....	Wednesday..	Fall Term begins.
Sept. 16, 17, 18.....		Applications for Admission.
Sept. 18.....	Friday	Condition Examinations.
Sept. 21	Monday.....	Recitations begin.
Nov. 25		Winter Term begins.
Nov. 26-27 ..	Thurs. and Friday.....	Thanksgiving Recess.
Dec. 23.....	Wednesday, to Jan. 1, 1897,	
	Friday, inclusive	Christmas Recess.

1897.

Jan. 27.....	Wednesday.....	Spring Term begins.
April 7.....	Wednesday	Summer Term begins.
April 16	Friday, to April 23,	
	Friday, inclusive, Easter Recess.	
June 7.....	Monday.....	Exhibition Day; Graduation Exercises of the Training Class.
June 8.....	Tuesday.....	Commencement Day.
	All legal holidays are observed.	

OFFICE HOURS:

The Principal, daily, after Sept. 16, 9 to 10 A. M.; 2 to 3 P. M.

The Library, session days, 8:30 A. M. to 4 P. M.

The Gymnasium, session days, 9 A. M. to 5 P. M.; Saturdays, at the pleasure of the Director, 9 A. M. to 12 M.

The Bursar, session days, after Sept. 16, 8:30 A. M. to 12 M.; 1:30 P. M. to 4 P. M.

For catalogs and other information address "The Principal, Adelphi Academy, Brooklyn."

BOARD OF TRUSTEES.

(NAMES IN ORDER OF SENIORITY)

WILLIAM M. INGRAHAM	- - - - -	476 Clinton Avenue.
THE REV. CHARLES W. HOMER,	- - - - -	73 St. James Place.
HAYDEN W. WHEELER, <i>Treasurer</i> ,	- - - - -	274 Washington Avenue.
ROBERT D. BENEDICT,	- - - - -	363 Adelphi Street.
ENOS N. TAFT,	- - - - -	134 St. James Place.
CHARLES O. GATES,	- - - - -	45 Plaza Street.
THE REV. JOHN HUMPHSTONE, D. D.,	- - - - -	291 Ryerson Street.
JOHN A. TAYLOR,	- - - - -	159 South Oxford Street.
CHARLES H. LEVERMORE,	- - - - -	30 St. James Place.
JEROME E. MORSE,	- - - - -	129 St. James Place.
WILLARD S. TUTTLE, <i>Secretary</i> ,	- - - - -	16 St. James Place.
ANNIE G. TRUSLOW (Mrs. F. C. Truslow),	- - - - -	783 St. Marks Avenue.
AMELIA B. HOLLENBACK (Mrs. J. W. Hollenback),	- - - - -	460 Washington Avenue.
JOHN N. BEACH,	- - - - -	178 So. Oxford Street.
THE REV. A. J. F. BEHREND, D. D.,	- - - - -	46 Brooklyn Avenue.
AUGUSTUS VAN WYCK,	- - - - -	172 Hancock Street.
Z. TAYLOR EMERY, M. D.	- - - - -	481 Washington Avenue.
TIMOTHY L. WOODRUFF, <i>President</i> ,	- - - - -	70 Eighth Avenue.
CHARLES A. MOORE,	- - - - -	35 Eighth Avenue.
WILLIAM BERRI,	- - - - -	401 Grand Avenue.
CLARENCE W. SEAMANS,	- - - - -	1267 Pacific Street.
JOHN C. KELLEY,	- - - - -	247 Hancock Street.
T. ALFRED VERNON,	- - - - -	256 Clinton Avenue.

OFFICERS AND COMMITTEES.

TIMOTHY L. WOODRUFF, *President*.
 HAYDEN W. WHEELER, *Treasurer*.
 WILLARD S. TUTTLE, *Secretary*.

Executive Committee.

T. L. WOODRUFF,
 H. W. WHEELER,
 WILLARD S. TUTTLE,
 C. O. GATES,

C. W. HOMER,
 W. M. INGRAHAM,
 J. E. MORSE.

Committee on Instructors and Books.

C. W. HOMER,
 H. W. WHEELER,

R. D. BENEDICT,
 WILLIAM BERRI.

ANNIE G. TRUSLOW.

Finance Committee.

J. E. MORSE,
 CHARLES A. MOORE,
 JOHN C. KELLEY,

JOHN N. BEACH,
 CLARENCE W. SEAMANS.

Committee on Buildings and Grounds.

H. W. WHEELER,
 AMELIA B. HOLLENBACK,

Z. T. EMERY,

JOHN A. TAYLOR,
 AUGUSTUS VAN WYCK.

Art Committee.

T. ALFRED VERNON,
 A. J. F. BEHREND,

AMELIA B. HOLLENBACK,
 ANNIE G. TRUSLOW,
 CHARLES H. LEVERMORE.

In Memoriam.

WARREN T. WEBSTER.

DIED AUGUST 3, 1895.

Extract from Prof. F. W. Osborn's memorial address:

"Prof. Warren T. Webster was born in Kingston, N. H., in 1830, and was graduated from Brown University in 1851. On Nov. 12, 1867, he became an instructor in the Adelphi Academy, and in 1869, when the Academy was incorporated, he was made Professor of the Greek and Latin languages.

"As a teacher Mr. Webster possessed rare gifts. His lithe and nervous body seemed built to respond to an alert and tireless mind. He had a rare skill in winning the love and confidence of his pupils, while he inspired them with a love for their work. This institution, for whose welfare he labored so long and so well, and the generations of pupils who remember him with affectionate regard, are his lasting monument."

Extract from the Minute of the Corporation concerning Prof. Warren T. Webster:

Upon the incorporation of the Academy in 1869, he was appointed by the Board of Trustees Professor of Latin and Greek, and entered upon the discharge of his duties as such in September of that year.

From May to September, 1870, he served as Acting Principal.

From 1870 to June, 1894, he was Superintendent of the Collegiate Department as well as Professor of Latin and Greek.

April 1st to September, 1893, he was again Acting Principal.

In June, 1894, the Board conferred upon him the position of Emeritus Professor of Latin and Greek.

On the 3rd of August, 1895, he died in the City of Brooklyn.

It is not to his acquirements, large as they were, neither to his aptness in imparting instruction, that we must look in seeking the real source of his power as an educator. No one ever came into Prof. Webster's presence, or conversed with him, but realized at once his thorough honesty, his transparent truthfulness. There was nothing perfunctory about his work; he was wholly sincere in everything he did. The boys and girls in his classes knew beyond doubt, from the moment they entered, he was there, *in loco parentis*, to do them good. Their failings, their temptations, their weaknesses, as disclosed, were treated in that tone of sincerity and kindness which never fails to carry conviction and hope with it. With such earnest simplicity of purpose, strength of character, power of influence, which none could ever mistake or question, he inspired all with a feeling of warm and lasting attachment, and led his scholars on, each sure in the regard, the true friendship of their guide and mentor.

OFFICERS OF INSTRUCTION AND GOVERNMENT.

CHARLES H. LEVERMORE, B.A. (Yale, '79); Ph.D. (Johns Hopkins, '86),
Principal, and President of the Faculty.

FREDERICK W. OSBORN, B.A., A.M. (Yale, '55, '58).
Professor of Mental, Moral and Political Sciences.

WILLIAM C. PECKHAM, B.A., A.M. (Amherst, '67, '70),
Professor of Physics.

JOHN B. WHITTAKER,
Professor of Painting and Drawing.

WILLIAM W. SHARE, Ph.B., Ph.D. (Columbia School of Mines, '81, '84),
Professor of Chemistry.

WILLIAM CRANSTON LAWTON, B.A. (Harvard, '73),
Professor of Latin and Greek.

ELIZABETH VENABLE GAINES, Professor of Biology.

JOHN FRANKLIN SHIELDS, B.S. (Penn State Col., '92),
Professor of Mathematics.

Instructors in Science:

EMMA E. FOSTER, in Physiology; MARY D. WOMACK, in Biology and Zoölogy;
RUDOLPH SELDNER, (Adelphi, '91), Ph. B. (Columbia, '94), Assistant in the
Laboratories.

Instructors in English:

ELINOR M. BUCKINGHAM, A. B. (Radcliffe, '92), EMMA E. FOSTER, ORDELIA
A. LESTER, MRS. M. ELIZABETH VANDERCOOK, ANNIE L. MORSE,
(Adelphi, '79), B.A., (Smith '83).

Instructors in German:

HENRY ZICK, Ph. D. (Heidelberg, '87), LILLIAN FOSTER (Adelphi, '78), ISABEL
D. MCKEE, A. B. (Smith, '82).

Instructors in French:

CORNELIA H. B. ROGERS, B.A. (Wellesley, '84), Ph. D. (Yale, '94), VIOLETTE
E. SCHARFF, ISABEL D. MCKEE.

Instructor in Spanish, - - - - - DR. C. H. B. ROGERS.

Instructors in Classical Languages:

WILLIAM A. EDWARDS, B.A., A.M. (Lafayette, '84, '87), GEORGE P. F.
HOBSON, B.A. (Harvard, '86), JOHN H. SAFFORD, B.A., A.M. (Williams,
'84, '87).

Instructors in History and Politics :

LOUISE BOTH-HENDRIKSEN, in the History of Art; ELINOR M. BUCKINGHAM, HARLAN F. STONE, B.A. (Amherst, '94), MRS. M. ELIZABETH VANDERCOOK, EMMA E. FOSTER.

Instructors in Mathematics :

JULIUS T. ROSE, in Book-keeping; GEO. P. F. HOBSON, B.A., CLAUDE W. L. FILKINS, C. E., M.C.E. (Cornell, '93, '94), BURT P. SEELYE, J. W. F. WILKINSON, B.A., CARROLL PERRY, B.A.

Instructors in Elocution :

WALTER V. HOLT, MRS. CORNELIA S. ROBINSON.
Head-master of Sub-Collegiate Class:
GEORGE P. F. HOBSON, B.A.

INSTRUCTORS IN CHARGE OF GRADES IN THE ACADEMIC DEPARTMENT.

SEVENTH GRADE.

J. W. F. WILKINSON, A. B., BURT P. SEELYE, CARROLL PERRY, B. A.
(Princeton, '93). (Williams, '90), B. D. (Yale, '94).

SIXTH GRADE.

CHARLOTTE RAWSON, JEANNETTE D. WEEKS.

FIFTH GRADE.

JEAN BOGGS, KATHERINE BRYAN,
LOUISE J. HEDGE (Adelphi, '87), J. AGNES ESTES, B.A. (Vassar, '95).

FOURTH GRADE.

EMILY L. BIRDSEYE, HELEN D. HEDGE.
Assistant, MRS. HELEN M. WATERS.

THIRD GRADE.

ALICE I. KENT (Adelphi, '83), CARRIE E. HEDGES.
Assistants, MARY D. WOMACK, MARY J. LLOYD.

SECOND GRADE.

HENRIETTA B. KENT, ESTELLE LEGGETT.

FIRST GRADE.

MABEL FOSTER (Adelphi, '92), MRS. R. W. WESTBROOK.

MARY E. MALLORY.

INTERMEDIATE PRIMARY GRADE. EDNA E. PATEMAN.

ABSENT ON LEAVE.

MATILDA M. DUNNING (Student at Oxford University), LOUISE D. HARLOW.

KINDERGARTEN.

ANNA E. HARVEY, with MARY J. LLOYD, Assistant.

KINDERGARTEN TRAINING CLASS.

ANNA E. HARVEY, Director; SARAH E. SCOTT, Lecturer upon Pedagogical Theory and History; PROF. F. W. OSBORN, Instructor in Psychology; ELIZABETH V. GAINES, Instructor in Science; MRS. LUELLA BATES EDWARDS (Adelphi Training School, '95), Instructor in Kindergarten Theory; PROF. J. B. WHITTAKER, Instructor in Art, FREDERIC REDDALL, Instructor in Music; MRS. VICTORIA D. PECKHAM, Instructor in Delsarte; FRANCES H. FLAGLER, Instructor in Physical Culture.

ART DEPARTMENT.

JOHN B. WHITTAKER, - - - - Professor of Painting and Drawing.
 ADALINE G. WYKES, - - - - Instructor in Drawing and Manual Training.
 ARTHUR B. LEACH, WILLARD C.
 ALDRICH, - - - - - Instructors in Manual Training.

DEPARTMENTS OF MUSIC AND PHYSICAL CULTURE.

ASHBURTON S. LEWIS, MRS. MILO DEYO, - - - - Accompanists.
 FREDERICK REDDALL, CAROLINE S. KIBBE, - Instructors in Vocal Music.
 HENRY S. PETTIT, M.D. (L. I. College Hospital, '90), Instructor in Physical Culture and Director of the Gymnasium.
 FRANCES H. FLAGLER, - - - - Assistant in Physical Culture.
 JULIUS T. ROSE, - - - - - Instructor in Penmanship.

LECTURERS.

CHARLOTTE MORRILL, - - - - - Lecturer upon Ethics.
 PROF. W. C. PECKHAM, - - - - - Lecturer upon Geography.

OFFICERS OF ADMINISTRATION.

JOHN H. SAFFORD, - - - - - Secretary of the Collegiate Faculty.
 MRS. HELEN M. WATERS, - - - - - Secretary's Assistant.
 MABEL A. FARR, - - - - - Librarian.
 CHARLOTTE MORRILL, - - - - - Bursar of the Academy.
 MAY M. HALL, (Adelphi, '87), - - - - - Principal's Clerk.

STUDENTS IN THE ADELPHI ACADEMY.

1895-1896.

KINDERGARTEN.

Biederman, Ella Frances	Atwood, Freeman Stanley
Conselyea, Estelle Brown	Deuscher, Donaldson
Crafts, Millicent	English, J. Radford
Douglas, Dorothy	Haviland, Paul G.
Eddy, Marjory	Johnston, Charles
Ford, Helen	Klipstein, Herbert
Haviland, Constance	Levermore, George K.
Hewitt, Jessie	Norton, Hubert
Johnston, Grace L.	Payntar, Meserole
Lawrence, Bennita	Roe, Henry Preston
Lockwood, Olive	Salter, Thomas
Schradieck, Clementine	Smith, Donald Jerome
Tobey, Marguerite	Smith, Harold Earle
Walden, Katherine	Thiess, Gerard,
	Watson, Roy
Anderson, Raymond Sparrow	Whitney, Frederick -31

ACADEMIC DEPARTMENT.

INTERMEDIATE GRADE.

Broes van Heekeren, Elizabeth	Brown, Eugene L.
Granbery, Viola R.	Burchard, Allan E.
Levermore, Margaret	Dunne, Desmond
McCarroll, Estelle O.	Fields, Richard R.
Raecke, Elsa W.	Ford, Donald
Terrett, Helen S.	Hager, Dudley L.
Von Glahn, Adeline C.	Hinman, Edward, Jr.
Winant, Marguerite D.	Johnson, W. Merrill
Wyckoff, Mildred	Klipstein, August

Lawton, Ernest B.
 Liebler, H. Baxter
 Owens, W. Douglas
 Palmer, Chester U.
 Roche, Ernest S.
 Rossiter, W. Winton

Sayre, Caryl
 Sherwood, Oliver B.
 Stake, W. Walter
 Swain, David W.
 Whitney, D. Richards, Jr.—29

FIRST GRADE.

Aalholm, Lucy
 Bruff, Helen
 Casamajor, Pauline
 Cinnamond, Helen
 Eastman, Helen L.
 Firth, Mildred
 Gibb, Dorothy
 Holmes, Hazel A.
 Jewell, Marjorie
 Johnson, Marguerite H.
 Klipstein, Lulu
 Markell, Aileen
 Moulton, Marion
 Otteson, Grace
 Peabody, Henriette C.
 Persons, Marjorie Mae
 Quinn, Fannie M.
 Richardson, Florence
 Ruckgaber, Anita C.
 Scrymser, Lillian E.
 Seaman, Ella
 Shepard, Edna
 Slocum, Lorna J.
 Smith, Marion L.
 Southard, Beatrice
 Souther, Myrtle

Stopenhagen, Elsie
 Trask, Olive A.
 Vail, Florence

 Anderson, Berrien P.
 Barlow, J. Frederick
 Barre, Walter W.
 Burling, W. Raymond
 Carpenter, Charles A.
 Eldredge, O. Stanley
 Everett, Harry S.
 Fields, John J.
 Hewitt, G. Frederick
 Hough, Harry P.
 Howard, William F.
 Jewett, Arthur
 Johnson, Walter H.
 Leonard, Norman A.
 Leslie, Edwin T.
 Levermore, Charles L.
 Owens, Malcolm W.
 Pinney, Harold R.
 Rushmore, Charles T.
 Von Glahn, John D.
 Woodward, Cedric Rainey—50.

SECOND GRADE.

Bellinger, Katharine N.
 Biederman, Mabel H.
 Buchenberger, Elsie L. A.
 Carter, Helen
 Critchley, Helene Marie
 Crombie, Ruth E.
 Cruikshank, Marion
 Dixon, Clara L.

Douglas, Annie M.
 Hart, Margaret G.
 Kayser, Sophie M.
 Lattin, Mary W.
 Marston, Dorothy H.
 Martin, Mary M.
 Morse, Louise Violet
 Pfarre, Gertrude P.

Schradieck, Margaret
Sessions, Hannah S.
Stoughton, Edna
Taylor, Gertrude
Tomes, Valerie G.
Woolfall, Gladys M.

Alling, Carl B.
Bedford, Edward T., Jr.
Burrows, Walter C.
Cressingham, Frank
de Selding, F. Monroe
Dimond, Walter S.
Dingee, C. Wesley
Dodd, Allen R.
Dunning, Clifford A.
Evarts, Roy C.
French, John
Germond, Russell C.
Gray, A. Freeman
Griffiths, Butler, Jr.
Hoag, John Albert
Holman, Frederick L.
Holmes, John F.
Humphrey, H. Julian

Jacques, William S.
Jadwin, Donald H.
King, Ralph R.
Martin, Stirling
McAllister, Douglas H.
McVaugh, Keith F.
Melville, John Ward
Moffett, Rudolph
Page, Frank
Paine, Arthur P.
Peckham, H. Duncan
Platt, Charles H.
Prosser, Harold
Quinn, T. Sidney
Randolph, Harry S. F.
Robbins, Harold K.
Smith, Howard B.
Tenney, William K.
Thorn, Henry C., Jr.
Trask, Wayland, Jr.
Washburn, John B.
Westervelt, G. Parker
Williams, Albert D.
Williams, Arthur L.
Wray, Howard K.—65.

THIRD GRADE.

Ackerman, Lesley L.
Ballance, Ethel
Bedford, Mildred E.
Broadhurst, Grace A.
Burr, Edna A.
Covert, Cornelia E.
Folwell, Beatrice L.
Graef, Grace H.
Hall, Ethel
Harris, Mabel J.
Jarvis, Edith L.
Levy, May
Martin, Adele
Martin, Marjorie
Murdock, Dora

Ogden, Helen M.
Ogg, G. Madeline J.
Paddock, Gertrude
Price, Bessie
Russell, N. Shirley
Shelley, Marguerite L.
Shiff, E. Madeline
Shiff, L. Oliver
Smith, Ada
Smith, Edna E.
Swezey, Elsie M.
Tompkins, Flora Bell
Van Nostrand, Katherine R.
Williams, Isabel L.
Wood, Marie

Worrell, Helen M.

Abbott, Donald B.

Aller, T. Gustin, Jr.

Aliing, Kenneth S.

Bamberger, Morton D.

Barndollar, Clarence R.

Bedford, Henry E., Jr.

Bernsee, William F.

Brosé, Edwin J.

Buchanan, George A. W.

Buchenberger, Max C.

Burn, Edward

Carson, Harry L.

Catlin, Reginald W.

Chapin, Edward E.

Coffin, Ivan R.

Corliss, Welling S.

Crary, James H.

Cummings, Louis C.

Cutter, John D., Jr.

Dana, Harold E.

Denison, Rial N., Jr.

Ford, Sumner

Gould, Howard C.

Grant, Frank L., Jr.

Green, Lloyd A.

Haight, Austin D.

Halpin, Mortimer E.

Hollins, Morris G.

Hooker, Davenport

Hoschke, Willie

Liebler, Theodore A.

Mayhew, Zeb, Jr.

McNicholl, Alexander, Jr.

Merrihew, J. Edward

Minton, Ogden

Moore, Henry B.

Owens, R. Stuart

Ripton, James L.

Sayer, Winthrop

Sayre, Howell E.

Shepard, Lawrence H.

Smith, Frank G.

Street, Richard

Swecny, Charles T.

Thayer, Gordon C.

Tomkins, Walter R.

Tomkins, William O.

Trube, Herbert L.

White, Frank R.

Wooden, Stewart L.

Wyckoff, Herbert A.—82.

FOURTH GRADE.

Aalholm, Rosalie L.

Affeld, Ida E.

Carpenter, Mary

Chapman, Bertha

Crary, Annie B.

Crook, Bessie A.

Douglas, Jennie

Edwards, Margaret A.

Eldredge, Florence V.

Goubert, Marguerite

Gould, Fannie C.

Howard, Ruth

Ingraham, Edith

Ingraham, Ruth

Jacobus, Ethel B.

Jeffery, Edna

Johnston, Sarah H.

Langley, Edith M.

Levy, Mary

Lewis, Lillian M.

Lima, Enid

Matson, A. Nathalie

McVaugh, Hester

Mills, Grace E.

Moller, F. Edna

Montgomery, Kathleen De F.

Naylor, Florence E.

Nutting, Olive L.

Parker, Florence E.
 Peters, Dorothy
 Potter, Marianna S.
 Quinn, Ethel G.
 Ruckgaber, Isabel E.
 Rupp, Ida M.
 Scrymser, Christabel
 Sherwood, Mabel E.
 Silkman, Carrie E.
 Swezey, Mabel E.
 Trier, Minnie
 Watson, Edith C.
 Wells, Julia T.
 Woolfall, A. Nesta
 Young, Grace E.

Aalholm, Arthur C.
 Bartels, Otto A.
 Carney, Lester M.
 Carpenter, William H.
 Carter, Frederic L.
 Casamajor, Robert
 Comins, Frederic G.

Cooney, Stanley L.
 Dixon, A. Faison
 Ewing, William J. G.
 Frost, Edwin D.
 Gilmore, Robert N.
 Haviland, Charles S.
 Horton, George S.
 Keller, William B., Jr.
 Lutkins, Clinton S.
 Marston, Trowbridge
 Mason, Arthur P.
 Mathews, Edward G.
 Meyer, Henry W., Jr.
 Moffett, Robert E.
 Nevin, Wesley H.
 Rogers, Harry M.
 Ruckgaber, William
 Runyon, Ralph
 Sterling, George H. Jr.
 Trenkmann, Charles
 Warden, Kenneth
 Wood, Bernard H., Jr.
 Wray, William H., Jr.—73.

FIFTH GRADE.

Ackerman, Annie G.
 Askew, Bertie C.
 Boreham, Arabella
 Broes van Heekeren, Hendrika
 Burn, Grace
 Chapman, Emily G.
 Cinnamon, Ethel R.
 Clay, Eugenia
 Dallas, Mary
 Eldredge, Arvilla R.
 Forest, Katherine
 Frazier, Marion
 Goldsmith, Beatrice
 Graef, Nellie T.
 Guyon, Kate R.
 Harding, Annie B.
 Hasbrouck, Edna A.

Hoschke, Louisa M.
 Jürgens, Mary
 Kelley, C. Edna
 Kenyon, Rachel
 Lenhart, Amelia G.
 Lenhart, Anna C.
 Ogden, Edith R.
 Persons, Clare G.
 Pratt, Marion S.
 Quinby, Edith
 Quinn, Nellie T.
 Reiners, Elizabeth E.
 Rogers, Lulu
 Sawyer, Mina J.
 Sayer, Helen
 Schradieck, Helen E.
 Sittig, Annie B.

Smith, Mae P.
Turner, Grace
Wheeler, Elizabeth H.

Almirall, Leon V.
Behrends, Frederick R.
Bennett, James P.
Colson, A. Ellicott
Crombie, Dwight H.
Dewey, S. Bradford
Duncan, David
Firth, Godfrey T.
Fowler, Royal H.
Griffiths, Leon H.
Halstead, Harold
Henderson, Robert J.
Hitch, Robert S.
Hooper, F. Dana
Hudson, Edward R.
Humpstone, Ernest B.
Humpstone, Harold D.
Johnston, Charles W.
Jürgens, Herman P. C.

Kehr, Gustav
Knapp, Charles W.
Mason, Roger
Moore, George A.
Palmer, Austin P.
Payne, Howell
Pfarre, Edgar G.
Primrose, Charles L.
Raecke, Charles
Reynolds, George G.
Rose, Harry T.
Rose, Waldemar H.
Schmidt, John W.
Scrymser, Birdsall A.
Stafford, William V.
Stothoff, J. Henry
Trenkmann, Robert
Uptegrove, Gifford M.
Warden, Loris
Waring, Robert L.
Wheeler, Henry H.
Williams, Albert B.—78.

SIXTH GRADE.

Allen, Mary E.
Backhouse, Ruby
Bartels, Marie M.
Bates, Ethel E.
Bogardus, Daisy R.
Bon, Mary B.
Brombacher, Julie M.
Buys, Mabel A.
Carpenter, Anna T.
Carson, Esther E.
Casamajor, Martha
Christensen, Alice F.
Covert, Ella M.
Dimond, Mary
Dixon, Mary F.
Duncan, Mary W.
Ewing, Margaret
Friedhoff, Mary F.

Harris, May S.
Henderson, A. Jean
Hollingshead, Bessie L.
Hoxie, Elise P.
Jürgens, Sophie M. R.
Kasebier, Hermine
Kenyon, Helen
Kouwenhoven, Cornelia K.
Langley, Marjorie S.
Lawrence, Azilia M.
Lazelle, Mabel E.
Lemmermann, Edith E. F.
Merrihew, Caroline R.
Nichols, Margaret F.
Peters, Carrie W.
Pinney, Grace D.
Righter, Jessie H.
Schuller, Mary L.

Sherwood, Grace L.
 Shewan, Agnes R.
 Smith, Blanche
 Steenken, Anna M.
 Uhler, Maude
 Van Der Bilt, Minerva
 Wanamaker, Lulu M.
 Westervelt, Katharine T.
 Wheeler, Hattie
 Whitney, Marian S.
 Williams, Ethel.

Ainslie, Hiram D.
 Bacchus, Stockbridge
 Beach, Frank C.
 Beesley, Roland
 Bentley, Ellis W.
 Bishop, Clifford M.
 Bruff, Harold
 Burn, Harry L.
 Candee, Walter M.
 Chandler, Willis D.
 Cragg, Walter H.
 Davol, John
 De Monde, George A.

Gibb, Edward
 Gibson, William Hamilton, Jr.
 Harris, George Burdette
 Hillyard, William K.
 Humphrey, Frederick L.
 Ingraham, Olin
 Kelsey, J. Arthur
 Lawton, Maxwell F.
 Marston, Russell
 Mathews, Butler A.
 Recknagel, A. Bernard
 Roberts, George
 Robinson, James L.
 Rushmore, Arthur W.
 Saxton, Chester E.
 Schieren, Harrie V.
 Seaman, Ralph
 Seed, Edward C.
 Smith, Andrew A., Jr.
 Stone, Elmer
 Van Nostrand, Norman W.
 Weill, William
 Williams, Donald D.
 Woods, Leonard M.—84.

SEVENTH GRADE.

Abraham, Edith S.
 Backhouse, Lillian A.
 Brown, Gwendolen
 Butler, May S.
 Chace, Lillian De F.
 Combes, Phebe S.
 Coppins, Hazel E.
 Corell, Clara
 Courtney, Edith M.
 Crum, Louise
 Cutter, Ruth
 Demarest, Minnie R.
 Emery, Maud L.
 Gelston, May
 Hall, Ethel
 Harris, F Estelle

Hedge, Sophie B.
 Hoople, Bessie M.
 Kouwenhoven, Lillie
 Levy, Dora
 Levy, Leonora
 Martin, Lillie O.
 Matson, Clarine V. B.
 McCullough, Grace E.
 Mitchell, Marguerite
 Murr, Laura H.
 Murray, Marie A.
 Nichols, Louise C.
 Phillips, Grace
 Powers, Florence E.
 Rasch, Addie C.
 Rayner, Florence R.

Ruckgaber, Helene L.
Ruckgaber, Laura L.
Saunders, Mary Eva
Seamans, Mabel G.
Squier, Ethel C.
Story, Josephine B.
Thayer, Beatrice
Trier, Mety
Washburn, Adelaide S.
Weil, Meta
Welles, Mary S.
Whitney, Marian
Woodhull, Anna M.
Woodhull, Carrie L.
Woods, Evelyn la P.
Wykes, Leila
Young, Edna A.

Adams, Ernest C.
Benson, Edwin P.
Carpenter, Charles A.

Davis, Thomas R., Jr.
Dewey, Ralph C.
Funk, Wilfred J.
Gravenhorst, Paul G.
Griffiths, B. Albert
Hendricks, Walter R.
Jenkins, Clarence C.
Kenyon, George
Pardessus, Florian G.
Pell, William W.
Pratt, Clarence A.
Riedel, Carl O.
Salter, Robert S.
Schard, George P.
Silkman, Charles H.
Silleck, William M.
Stikeman, Charles, Jr.
Thornton, Lewis M.
Thursby, Rodney
Tompkins, Howard C.
Wheeler, Benjamin R.—73.

SUB-COLLEGIATE CLASS.

Bennett, Florence R.
Chivers, A. Eleanor
Cotton, Edith A.
Cotton, Grace C.
Eldredge, Marion B.
Emanuel, Alice S.
Emerson, Ethel M.
Ewing, Jean
Flagler, Grace E.
Fuller, Ethelyn A.
Guyon, Ethel W.
Henson, Violet L.
Hitch, Laura D.
Hollenback, Juliette G.
Irish, Alice Frances
Loweree, Eleanor L.

Martin, Harriett M.
McWilliams, Helen M.
Meyer, Fannie F.
Peters, Ruth
Pfeiffer, Jenny I.
Robinson, C. Marguerite
Rogers, Alice H.
Rutan, Ella May
Scudder, Edna H.
Scudder, Mai H.
Steenken, Elsie
Turner, Matilda H.
Van Cleve, Christine
Vernon, Laura
Whitney, Edith
Whitney, Katharine E.

Wilson, Florence M.

Ager, John W.

Barnett, Percy W.

Barron, Ben M.

Bishop, Burton T.

Brown, Allan H.

Burtis, William E.

Casamajor, Louis

Dunning, Clarence

Emery, William F.

Ferguson, Joseph

Forney, Albert J.

Frisby, Albert E.

Giese, Alfred H.

Griffiths, G. Arthur

Hall, Lewis B.

Harris, Frederick L.

Harris, Wilson P.

Hutt, James W., Jr.

Jeffery, George C., Jr.

Langhaar, Louis

Lawrence, Parker V.

Marshall, Georgie M.

*Quinby, Paul V. C.

Spencer, John H.

Thomson, Ralph M.

Topping, Ray M.

Uptegrove, William E., Jr.

Wellington, Frank H.

Yallalee, Allan J.

Yallalee, Charles H.—63

* Died March 27.

KINDERGARTEN TRAINING CLASS.

SPECIALS.

Burditt, Mary Louise

Colegate, Amy Beatrice

Egan, Marie Genevieve

Emerson, May Adele

Everingham, Olive Edson

Foote, Helen Lavinia

Fossard, Isabelle Rittenhouse

Heydinger, Mary Gertrude

Holmes, Margaret Cook

Lane, Edna Josephine

O'Leary, Agnes Gertrude

Shannon, Lilly

Thompson, Bessie Howard

JUNIOR.

Althans, Carolene, A.

Brown, Victoria

Clark, Mary Ayres

McNiel, Jean S.

Seeley, Grace Louise

Zerega, Christine R.

SENIOR.

Conley, Anna M.

Haupt, Amy S.

Hunter, Bessie M.

Huntington, Grace L.

Kennedy, Margaret

Little, Sarah

Slosson, M. Evangeline (Adelphi, '86.)

Story, Katharine K.

Street, Katharine Dana

Willets, Lila K. (B. L. Swarthmore, '93.)—29

DEPARTMENT OF PHYSICAL CULTURE.

Bates, Mrs. A. M.
 Buchanan, Mrs. James
 Buchanan, Mrs. William
 Crandall, Mrs. Arthur
 Diossy, Elsie C.
 Duncan, Lillian
 Harter, Isabelle

Jessup, Mrs. B. A.
 Metcalf, C.
 Pettit, Adeline
 Putnam, Edith L.
 Stokes, N.
 Turtle, Sarah E.
 Woodruff, Edith—14.

ART DEPARTMENT.

Adam, Elizabeth Violet
 Blakemore, May
 Bock, Mrs. Jennie
 Burkey, Anna
 Campbell, Florence
 Chew, Alice M.
 Darling, Anna M.
 Evans, Mrs. Geo. A.
 Field, Ada A.
 Finks, Theodora
 Fish, Sara C.
 Fitzmaurice, Mrs. H. E.
 Flanagan, Lulu A.
 Foote, Lottie E.
 Goubert, Marguerite
 Graham, Elizabeth
 Heath, Edda May
 Ingraham, Frances T.
 Ireland, Mrs. C.
 Jensen, Helen C.
 Kissam, Florence E.
 Lane, Edith C.
 Lewis, Cornelia
 Mandeville, Mrs. A. L.
 Marsh, Mrs. Helen D.
 Mead, Lulu E. R.

Miles, Stella
 Millett, Ellie
 Miller, Bessie
 Nieland, Tillie M.
 Ophuls, J hanna
 Ophuls, July
 Plummer, Ethel
 Pray, Mrs. Alice J.
 Quinlan, Florence
 Ray, Edith
 Redding, Edith A.
 Shepherd, Mrs. George
 Sherwood, Mabel E.
 Whitmore, Olive E.
 Whittaker, Mrs. J. B.
 Wright, Mrs. M. M.
 Young, Fannie Forrester

 Boerum, Folkert R., Jr.
 Cleveland, S. Grover
 Higgins, Edwin E.
 Holland, David B.
 Noyes, Willie
 Quinlan, Will J., Jr.
 Rogers, William
 Warren, Edmandson—51.

COLLEGIATE DEPARTMENT.

SPECIAL STUDENTS.

Abell, Mrs. Bertha	Twining, Anna S.
Albertson, Myra	Walston, Alice
Frost, Agnes	Wyckoff, Ella (Packer '93)
Hall, Mildred F.	
Hallock, Mary Dudley	Denney, Harry A.
Leighton, Lillian D.	Geer, Ledyard C.
Nieland, Tillie M.	Morse, Charles L.
Postley, Aileen S.	Pettit, William R.
Romer, Amy C. (Adelphi, '95)	Schapiro, Benj. A. M.
Snowden, Evelyn S.	Shattuck, Claudius W
Thursby, Gertrude	Whitcomb, Herman S.—22
Tobey, Ethel M.	

JUNIOR CLASS.

Aller, Georgetta P.	MacKenzie, Jeanie M.
Appleton, Winifred	Marshall, A. May
Bacchus, Josephine Stearns	Mayhew, M. Louise
Bacchus, Mary Stockbridge	McCarroll, J. Frances
Bowne, Mary A.	Mead, Louise Roscoe
Buchenberger, Carrie A.	Miles, Alberta C.
Choate, Cornelia D.	Mulvihill, Catherine M.
Christensen, D. Bessie	Murphy, Florence G.
Comins, Nellie A.	Murr, Addie B.
Crampton, Cecilia	Nichols, Kate Sterne
Fradley, Sadie Russen	Parker, Marjorie E.
Franke, Fannie A.	Perkins, Jessie T.
Garland, M. Adelaide	Ray, Helen
Goldsmith, Theodora	Redding, Helen Edmunds
Graff, Lucy	Righter, Katherine A.
Hall, Marie F.	Romer, Elizabeth P.
Hedge, Saidee W.	Seaman, Maude
Keilholz, Amy A.	Shay, Nellie J.
Kirkman, Ethel	Thackray, M. Josephine
Ladd, Mary Everett	Thomson, Edith McKee
Lahey, Marguerite J. D.	Titcomb, Lelia W.
Lockwood, Nannie	Warren, Harriette D.
Loeser, H. Bertha	Whittaker, Margaret S.

Addy, Richard C., Jr.	Jenkins, Wilson W.
Backhouse, George G.	Keilholz, William F.
Bancker, Andrew O.	Langdon, Philip C.
Bates, Leonard W.	Latimer, Raymond I.
Beasley, Jack G.	Le Fevre, Francis E.
Benjamin, Walter Adams	Ludlam, Malcolm Curtis
Dutcher, Edwin B.	Otis, Kenneth R.
Gardner, Archie	Packard, Harry A.
Halstead, Kenneth B.	Salter, John L., Jr.
Hopkins, Joseph G.	Topping, Howell
Hunting, George H.	Trier, Hans
Ingraham, Edward Andrews	Wilson, Eugene S.—70

JUNIOR MIDDLE CLASS.

Bates, Mary E.	Rose, Olga L.
Benedict M. Marion	Shepperson, Carrie W.
Brooks, Louise	Stanton, Mildred A.
Combes, Frances A.	Tuthill, Alice M.
Eldredge, Edna A.	Valentine, Florence E.
Ewing, Elizabeth	Vernon, Edith L.
Hollenback, Amelia	Willets, Anna
Humpstone, Helen	
Kelsey, Emily G.	Bergen, Eldert
Langdon, Annie E.	Dewey, Alan B.
Lockwood, Isabelle	Durham, Knowlton
Logan, Julia	Durham, Roger
Martin, Florence E.	Eldredge, Elliott M.
McCarroll, Irene M.	Forney, Mowbray W.
Ogden, Katherine C.	Fraser, Thomas H.
Ogg, Emma Jessie	Gelston, William R.
Pfeiffer, Clara A.	Graff, Frederick
Preston, Maud I.	Hillmann, Hugo G.—36.
Ray, Edith	

SENIOR MIDDLE CLASS.

Atwood, Helen	Davol, Marian
Bentley, Meta E.	Ewing, Christina
Casamajor, Mary	Hall, Elizabeth N.

Hanks, Helen A.	Stockwell, Ethel S.
*Hopkins, Mary M.	Story, Edna
*James, Ethel	
Johnson, Margaret E.	Barlow, Elbert S.
Knudson, Mabel A.	†Bedford, Frederick T.
*Leeming, Winifred C.	‖Braman, Hiram V. V., Jr.
Liebmann, Florence H.	Britton, A. Dudley
Mathews, Mary E.	Brooks, Royal D.
Mitchell, Bernice P.	Corbett, E. Howard
Munson, Beulah B.	Crampton, Foster
Munson, Mabel E.	Creevey, William S.
Munson, M. Louise	Ingraham, Henry A.
Parker, Helen C.	Möller, Albert V.
Pfizer, Alice M. E.	Morgans, Frank D.
†Richardson, Bertha	Patterson, Laurence
Richter, Harriet T.	§Pouch, Edgar D.
Ripley, Julie A.	Stearns, Edgar E.
†Roberts, Rosamond	Welles, Edward R.
Rose, Matilda C.	Wheeler, Franklin S.—43.

* Absent in Smith College.

† Absent in Vassar College.

‡ Absent in Amherst College.

‖ Died April 8.

§ Absent in Sheffield Scientific School.

SENIOR CLASS.

Baker, Sarah C	Taylor, Susie B.
Casamajor, Alice	
Harding, A. Caroline	*Adams, Robert C.
Harrison, A. Maude	*Cutter, William D.
Hooper, Rebecca L.	†Hawkins, Stephen O.
Kelley, Agnes S.	‡Hills, John S.
Patterson, Margaret A.	*Hutchins, George P.
Pouch, Mabel J.	§Shoudy, William A.—15.

* Absent in Yale University.

† Absent in Columbia College (School of Mines).

‡ Absent in Cornell University.

§ Absent in Stevens' Institute.

SUMMARY.

Kindergarten Department.	31
Academic Department.	597
Kindergarten Training Class.	29
Physical Culture Department.	14
Art Department.	51
Collegiate Department.	186
	908
Omitting repeated names.	5
Total.	903

RATES OF TUITION.

PER QUARTER, PAYABLE IN ADVANCE.

No extra charges in any study of the required course except for Materials used in the Laboratories.

Kindergarten. First and second years, each, per quarter.....\$10.00

Academic Department.

Intermediate Grade....	\$12.50	Fifth Grade.....	\$24.00
First Grade.....	12.50	Sixth Grade.....	28.00
Second Grade.....	15.00	Seventh Grade.....	32.00
Third Grade.....	17.50	Sub-Collegiate Class.....	37.50
Fourth Grade.....	20.00		

Collegiate Department......\$40.00

Half rates for children of resident clergymen officiating in the city of Brooklyn, of Principals of Brooklyn Public Schools, and of teachers in the Packer, Polytechnic and Pratt Institutes.

Tuition is payable at the Bursar's office in the Academic Building.

No Deduction is made for absence of less than five weeks; in case of consecutive absence of five weeks or more, tuition for one-half the time will be refunded.

Special Students who attend one class recitation only, pay \$15 a quarter for each branch pursued. Special students in the sciences are entitled to the same amount of laboratory work as that which is required of regular students; for extra work in the laboratories they pay \$10 a quarter for each additional period.

Any student who has more than two studies, who occupies a seat in the school and has the benefit of the general exercises, is considered regular, and pays full tuition bills. No special student is received for less than one quarter.

The fee for instruction in the Kindergarten Training Class is \$100 per annum. There are no extra charges.

For instruction in Drawing or Painting the fee is \$10 per term for a half-day session three times a week, or \$15 for the whole-day session.

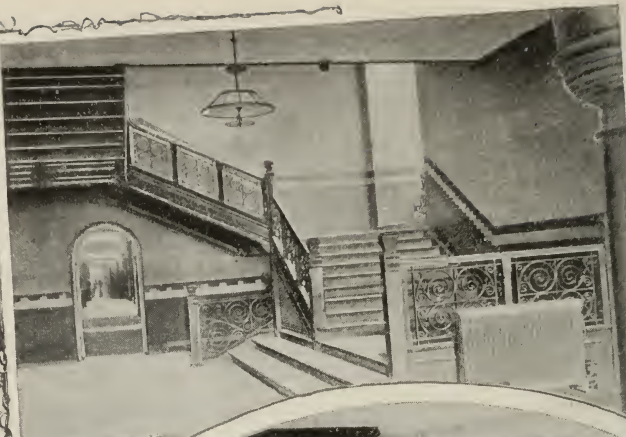
Special students in the Gymnasium pay \$9 a quarter for three lessons a week, and \$6 a quarter for two lessons a week.

The fee for instruction in the advanced Manual Training Class is \$8 per term. For pupils who purchase the tools that they use, the fee is \$6.

The Academy maintains a Book Room, where all books and stationery may be purchased by the students for cash.

Students in the Chemistry classes will make a deposit of \$5 to cover waste and breakage. In the Biology classes a deposit of \$3 is required.





MAIN STAIRWAY



KINDERGARTEN



GYMNASIUM

THE ADELPHI ACADEMY.

1. Departments of the Academy.—The Adelphi Academy provides the means for a thorough and systematic education from the very beginning of school life to the time when the student is either equipped for the active work of the larger world outside of school walls, or is ready to enter upon the special training of university studies. The Academy intends, therefore, to present a complete school system in one group of buildings, and consequently to give its students the impress of a uniform educational policy and of an unbroken educational development.

There are six divisions of the Academy: The Kindergarten, the Academic Department, the Collegiate Department, the Kindergarten Training-Class, the Art Department and the Department of Physical Culture.

The Kindergarten Course may extend through three years. It forms an admirable preparation for the work of the primary grades. A training-class for teachers, strictly limited in numbers, is maintained in connection with the Kindergarten. Into the Kindergarten itself children who are at least four years old may be admitted. They have careful attention from the time of reaching the building until they leave, and are trained by the most approved methods. They are kept quite separate from the main body of students. The hours of session are from 9 A. M. to 12 M. Parents of the pupils are at all times welcome to the Kindergarten rooms. Other visitors are requested to apply for admission in the Bursar's office.

The Academic Department comprises seven classes, or grades, each one year in duration, and also one intermediate class between the Kindergarten and the first primary grade. Pupils may be admitted to this department who have attained the age of six years or over. The first four years of study in this department form its Primary Division and include all the usual work of primary grades, with German or French and manual training in addition thereto. The last four years comprise the usual grammar-school course and a judicious choice of modern and classical languages, science, history and advanced mathematics. Rooms and hours of the school session in this department are arranged, as far as possible, so that pupils of the four primary grades may not come in contact with other classes.

The Sub-Collegiate class is the introductory class of the Collegiate Department, and is rated as the first "High School Year" of the Academy, although some of the studies of the seventh Academic grade belong to the same plane of work. After the Sub-Collegiate year, the Collegiate Department includes four years of study, but the student may select any one of three courses in the department, viz., the Classical Course, the Literary Course and the Scientific Course. Elective studies may be chosen in any of these courses, subject to the approval of the Faculty.

The Classical Course affords a thorough preparation for any American university, and graduates from this course who have had the benefit of the whole Adelphi curriculum are able to take advanced standing.

The Literary Course offers a comprehensive and thorough training in Languages, Literature, History and Politics, Philosophy and the Fine Arts, and Natural Science.

The Scientific Course prepares for a business career or for admission to any scientific or technical college. Graduates from this course will have an assured practical knowledge of Physics, Chemistry, Mathematics and its applications in Mechanics and Surveying, while the studies of History and Languages, including the mother-tongue, receive due attention.

The diploma of the Academy is given to every student who completes any one of these prescribed courses. If any regular student in the Collegiate Department goes from the Academy to a college or university, the diploma of the Academy may be granted to him or her in due course upon evidence that an equivalent of the remaining work in the Adelphi curriculum has been satisfactorily performed in the class-rooms of such a college or university.

The Kindergarten Training-Class offers a two-years' course of study to a limited number of persons who may wish to fit themselves for the calling of a Kindergarten under exceptionally favorable circumstances.

In the Art Department students may follow any special lines of art work, under most advantageous conditions of light and space.

The Department of Physical Culture offers facilities for outdoor and indoor exercise of all kinds and grades. From the beginning of the Adelphi Academy this Department has performed an important and prominent work in it. The curriculum of this Department is coterminous in years with that of the Academy, and special students are enabled to pursue special lines of exercise under competent direction.

II. Admission of Students.—Applications for admission should be made on June 10, 1896, or on September 16, 17 and 18, 1896, at the Academy. Admission at any time is granted to those who can show

evidence of ability to take up the work of any class. There are no formal examinations for admission. Newly admitted students are finally graded by the evidence of their daily work in class during the weeks immediately following their admission. Every student in the Academy is assigned to a teacher, who exercises careful and constant supervision. Students from other schools who have not had all the studies offered in the earlier years of the Adelphi, may be admitted under special conditions, enabling them to make up the omitted work. Pupils from any other schools applying for admission to the Adelphi Academy should, if possible, present records of rank and latest promotion in the schools which they have been attending.

Persons who wish to enter the Academy for the purpose of studying special subjects must give satisfactory evidence of ability to pursue such studies, and must conform to all rules of order prescribed for those in the regular courses. The privilege of pursuing special subjects will be withdrawn from all who fail to comply with such regulations.

III. Attendance and Discipline.—In order to form systematic business-like habits and to make the most of the time devoted to education, pupils are required to be regular and punctual in attendance and in all school duties. A teacher cannot be responsible for the backwardness of those students who allow trifling causes to interfere with their attendance. It is also particularly desirable that the pupil should not lose time during the first few weeks of the school year and at its end. A fortnight more of vacation in Autumn or Spring cannot often be worth the risk of falling behind in studies.

Pupils who have been absent or tardy are expected to state the reason therefor promptly to the teacher in charge of the room. If no reason for absence or tardiness is known to the teacher, or the reason given seems insufficient, notice of such absence or tardiness is sent home. Written excuses signed by the parent are not necessary unless specially requested. It is only desired that parents should know the testimony of the roll books and should coöperate with the teachers in correcting any possible carelessness or delinquency. Students who persist in wrong conduct, or who fail in diligence, will be carefully and kindly warned of the consequences of wrong-doing or of indolence. Parents will also be notified of such deficiencies by the periodical reports or by special information. Students who are disobedient or wilfully inattentive after warnings, will be excluded from the Academy.

It is hoped that parents will become acquainted with the teachers who have charge of their children. It is particularly desired that parents should keep the Principal and the class officers in the Faculty informed con-

cerning the nature and extent of the pupil's home study. At the close of each daily session there is opportunity for conference between parents and teachers, but such interviews should not occur during the school session.

Time is allowed in every class for some study in school hours. Teachers will remain after the close of a day's session for the purpose of aiding those who deserve and need help. Members of the Collegiate Department and of the upper grades of the Academic Department are expected to study at home daily from one to three hours, according to age and capacity. Every student who is able to pursue a regular course of study is expected to do so.

IV. Records of Rank. In the Academic Department of the Academy carefully prepared reports are made monthly to the parents, showing the scholarship, punctuality and conduct of each pupil. Parents are requested to examine these reports regularly, sign them promptly, and return them to the Academy. A summary of these reports is kept as a permanent record. In the Collegiate Department similar reports are prepared and sent home at any time if the Faculty orders it, or if the parent requests it.

The reports of class-work which are presented to the Faculties weekly throughout the year are made the basis of the final record of scholarship in any subject. Formal examinations at the end of work upon any subject are given only to students who have been absent from the class for some portion of the time and to those who have been delinquent. In thus abolishing formal examinations for the mass of students, and in substituting therefor the evidence of daily work in the class-room, the Faculty of the Academy feels that it is promoting the right kind of scholarship, discouraging that pernicious form of study known as "cramming" and establishing a wise distinction between those who study faithfully from day to day and those who do not. At the same time it should be observed that the great frequency of written tests in the ordinary class routine will in the end afford the student all the necessary experience in the work of expressing knowledge upon paper.

Students who fail to do satisfactory work may, at the direction of the Faculty, be required to discontinue a study at any time, to make up deficiencies after the close of the school year if possible, and to present themselves for "Condition Examinations" in June or September. The promotion of each student from one year to another is determined by the Faculty of the department or grade to which the student belongs.

V. Honors, Scholarships and Prizes.—Students in the Collegiate Department and in the Academic Department, pursuing a regular course of study, who have been present through an entire year, with a record of highly creditable work, and whose conduct has been satisfactory, will receive honorary certificates at the close of the year.

The “Charles Pratt Scholarship,” the “Hayden W. Wheeler Scholarship,” the “E. F. de Selding Scholarship,” the “W. S. Woodward Scholarship,” and the “Harold Dollner Scholarship,” are given annually to such fit persons as may be nominated by the President of the Board, Hayden W. Wheeler, E. F. de Selding, Mrs. W. S. Woodward, and the Treasurer of the Board respectively.

Candidates for said scholarships must have attained the age of fourteen years, or, if under fourteen years of age, must prove, upon examination by the Principal, well qualified to enter the Sub-Collegiate Class of the Adelphi Academy.

Scholarships will be renewed to those only who attain a high standard in their work.

Scholars whose record has been and is entirely satisfactory, but who find themselves prevented by lack of means from continuing their education, are invited to consult with the Principal concerning the possibility of making such arrangements as will enable them to go on with their studies. So far as the resources of the Academy may permit, it is the intention to extend a helping hand to every worthy student who may need assistance.

By gift from Charles Pratt, the income of \$1,000 is applied annually to prizes for improvement in penmanship. These prizes are open to students on full course in all departments.

The same benefactor also established a fund to encourage good reading and elocution. The income is applied to awards for those who have made the most improvement during the year, and also to the providing of new matter for supplementary reading.

VI. Certificates for Admission to College.—Colleges and universities which admit students upon certificate will accept the certificates of the Adelphi Academy. Among the institutions with which the Academy is thus related are the following: Amherst College, Cornell University, Mt. Holyoke College, Smith College, Vassar College, Wellesley College, Wesleyan University, Williams College and the Woman's College of Baltimore.

VII. Equipment of the Adelphi Academy.—*1. The Buildings.*
—The group of three buildings now occupied by the Adelphi Academy fills the entire end of the block between Lafayette Avenue and Clifton

Place, 200 x 150 feet. The central building is an assembly hall, 50 x 72 feet, with sittings for about a thousand persons. In the basement, extending across the whole block, is the gymnasium, occupying three large rooms and covering a space 200 x 50 feet. Convenient access to the Academy is provided by the Brooklyn Union Elevated R. R. (DeKalb or Greene Avenue Stations), or by the Greene, DeKalb, Franklin, Vanderbilt and Fulton electric cars.

The ventilation of all the buildings is complete and perfect. A large fan is placed in the upper part of each building, discharging air from a reservoir which receives ventilating flues from all the rooms. These fans are driven by electric motors from a dynamo connected with a forty horsepower engine. By this means the air in both buildings can be completely renewed at least once every half hour in the most unfavorable weather. The principal room in the gymnasium opens directly into the outer air by means of large skylights in the roof, so that these rooms are especially well lighted and ventilated.

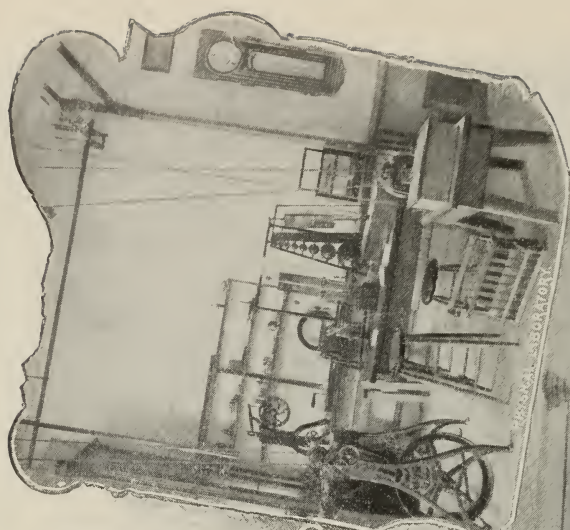
2. *The Library and Reading Room.*—The Library of the Academy now contains about six thousand volumes. The librarian is in constant attendance, and there is a complete card catalog. Both library and reading room are at the service of the students in all the departments of the Academy.

Among the principal periodicals on file in the reading room are the following :

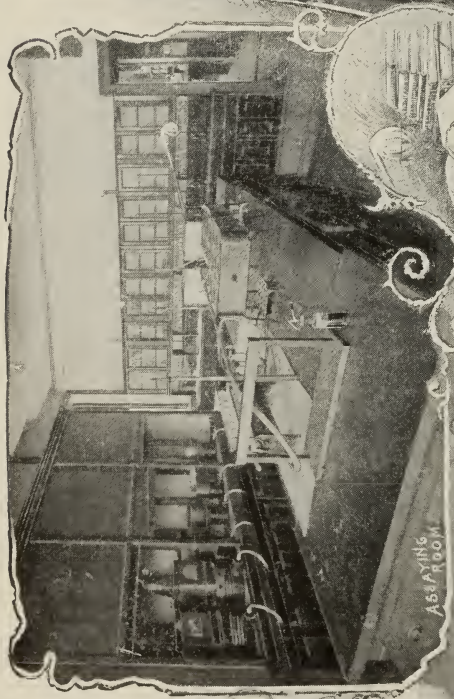
The American Agriculturist, Anthony's Photographic Bulletin, Popular Astronomy, The Atlantic Monthly, The Book Buyer, The Century Magazine, Child Garden, The Congressional Record, The Contemporary Review, The Cosmopolitan, Education, The Educational Review, The Fortnightly Review, The Forum, The Geographical Journal, Harper's Magazine, Harper's Weekly, Harvard Graduates' Magazine, The Illustrated London News, The Journal of Education, The Kindergarten Magazine, Kindergarten News, The Magazine of Art, The Nineteenth Century, Outing, The Popular Science Monthly, Power, The Review of Reviews, The School Bulletin, The School Review, Science, The Scientific American and Supplement, Scribner's Magazine, The Yale Review, The Youth's Companion.

3. *The Gymnasium and Playing-Field.*—The gymnasium is in charge of a Director, who is a physician, and of a lady assistant, who is especially charged with the conduct of the girls' classes. The calisthenium is a spacious room provided with a piano, and with the usual equipment of wands, clubs and bells. The remaining space, besides dressing-rooms, bath-room and offices, contains two large rooms well supplied with all modern apparatus. In these rooms are found hand-ball courts and a basket-ball field ; chest weights, back and loin attachments, intercostal machines, traveling parallels and a quarter circle ; a set of Swedish appar-

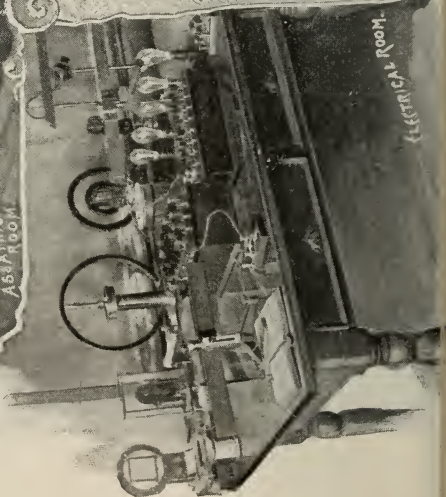




CHEMICAL LABORATORY



ASSAYING ROOM



ELECTRICAL ROOM

ratus and of climbing apparatus ; twelve-pound shots and hammers, with vaulting apparatus ; a full equipment for anthropometric work, and all the best appliances for gymnastic exercises, including rings, bars, horses, parallels, ladders, mattresses and trapeze.

The playing field, which is now in the possession of the Academy, is situated near Classon Avenue, between Park Place and Prospect Place. It is near the Franklin Avenue, Bergen Street and Vanderbilt Avenue lines of cars, and is about twelve minutes' walk from the Academy. It contains ball fields, tennis courts, running tracks and a grand stand, with seats for two hundred and fifty persons. Underneath the grand stand are dressing-rooms, with lockers and bath rooms. The carriage entrance to the field is on Prospect Place. The ordinary entrance is on Park Place, near Classon Avenue.

4. *The Illustrative Material* for use in the classes in history and geography is kept in the Secretary's office, and includes maps, pictures and charts of every description.

5. *The Laboratories and Workrooms* of the Academy are seven in number. The chemical, physical and biological laboratories occupy a large part of the third and fourth floors of the Pratt Collegiate Building. Few educational institutions (of any grade) in the country are able to show better equipped laboratories than these. Separate rooms are devoted to the collections used to illustrate the studies of geology and mineralogy. On the third floor of the same building is the mathematical laboratory, which is amply equipped for the work in mechanical drawing and surveying.

The manual training workrooms are two in number, one for younger pupils and one for students who are old enough for bench work and carving.

The whole of the upper story of the Collegiate Building is devoted to the Art Department. There is a spacious studio which is furnished with full and half-sized statues, large and small torsos, busts, masks, and reliefs. There is also a large room for classes in drawing and in painting from life. Besides, there are three rooms : for modeling, the making of casts, and for the use of small classes.



A STATEMENT OF FACTS ABOUT THE ADELPHI ACADEMY.

In the Adelphi there are seven professors and a total of about sixty teachers. More than one-third of the total number are men.

Co-education preserves and develops the moral restraints and natural training of the home life.

Each student is especially assigned to one teacher for supervision.

Students who are ahead of their class in any study may enter an advanced class in such studies.

The curriculum extends from the kindergarten to the college, affording an opportunity for unbroken scholastic progress. It offers to the pupil the best educational preparation for immediate entrance into business, social or professional life. New students are admitted at any time.

The French and German languages may be acquired conversationally in the primary grades, and may be studied continuously to the end of the course. Latin may be studied for seven years, Greek, for five.

The biological course of study affords exceptional advantages to young women, and also to all students who intend to enter the medical profession.

Manual training is required in conjunction with drawing in the lower grades, and is also optional for students in all other classes.

Promotions in the Academy are determined by the daily record of the student. There are no formal examinations for admission or promotion, except for students who have for any reason become deficient.

The Studio affords unusual facilities for the study of drawing and painting. There is an excellent training course for kindergartners.

Students are admitted to college upon certificate and are fully prepared for any college or university in the country. Students who graduate from the Adelphi may enter college upon advanced standing.

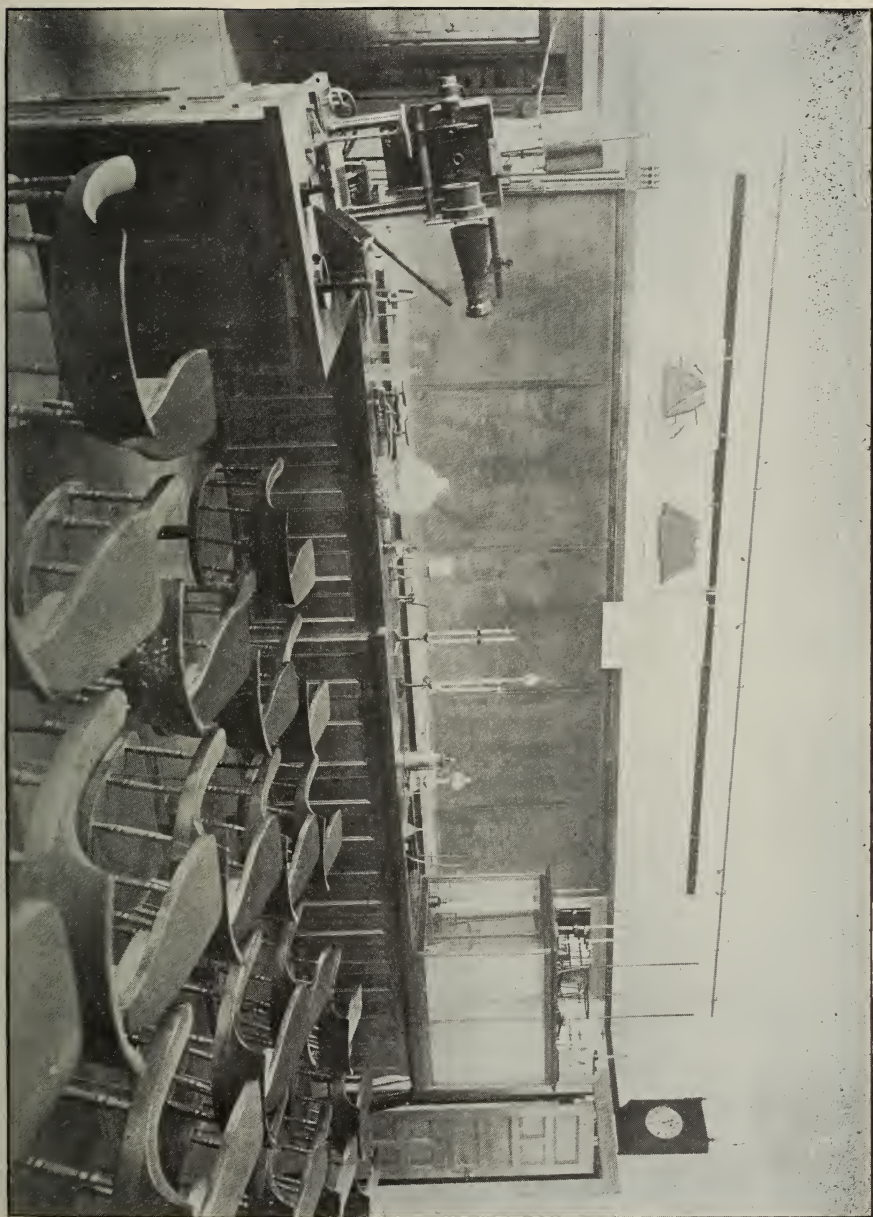
Students who enter college as soon as prepared may nevertheless receive the Adelphi diploma with their respective classes.

The library (containing 6,000 volumes) and the reading room are open to all students. The library is the laboratory for students of history and literature.

The scientific laboratories, manual training work rooms and art studio are completely equipped. Inspection is invited. All science study involves individual experiment in the laboratories.

The buildings are admirably ventilated. There is a spacious gymnasium and a completely equipped playing field.

THE CHEMICAL LECTURE-ROOM





CONSPICUOUS OF STUDIES.

THE KINDERGARTEN.

Two Years' Course.

Sessions, 9 to 12 o'clock.

1. The Songs and Games of the Kindergarten introduce the study of Natural Science, stimulating the imagination, developing a sympathy with nature, and suggesting the highest ideals in thought and action.
 2. The Gifts form the basis of Mathematical Science, illustrating the solid, surface, line and point. The pupil acquires from the Gifts a knowledge of geometric forms and of different combinations of number.
 3. The Occupations apply to the principles that underlie the Gifts and cultivate a taste for the beautiful in form and color, training the eye and hand to work in unison with the mind; learning comes by doing. Color music is used, including also exercises in breathing.
- The Kindergarten training seeks to develop inventiveness, thoroughness, sympathy and generosity, power of concentration and power of language and reason. The right beginning is half the battle.

Intermediate Year.

Sessions, 9 to 12 o'clock.

A transition year for pupils who are not yet mature enough for the tasks of the first primary grade. Pupils learn to read and write and receive instruction in elementary number work. In addition there is advanced kindergarten work in drawing, modeling, and observation lessons.

ACADEMIC DEPARTMENT, PRIMARY DIVISION.

I. Language.

II. Geography and History.

III. Science Study.

IV. Number Work.

1st Grade.

Session 8:50 to 10 o'clock. Periods arranged on half hour basis.

1. English Words and Sentences.
2. Phonetic Analysis. Story Telling.
3. Script Readers. Spelling. 15 periods a week.

Natural Features, Stories and Conversation; included in (1).

Color, Outline, Size. Divisions: Mineral, Vegetable, Animal. The Succession of Seasons. Weather. 4 periods a week.

Numeration. The Four Fundamentals. Units of Measure. Weight, Space, United States Money, Fractional Parts. 7 periods a week.

2d Grade.

Sessions, and periods as above.

1. English.--As before. Nature Readers. Spelling and Punctuation. 10 periods a week.
2. French or German. Conversation. 3 periods a week.

Points of Compass, facts of Climate, the world and its hemispheres. Physical Geography of the continents begun with North America. 4 periods a week. Stories of typical characters, included in (1).

Talks upon Climate and the Care of the Human Body. 2 periods a week.

As before. 6 periods a week

3d Grade.

Sessions, and periods as above.

1. English.--Spelling. Written and Oral. Nature Readers, Geography Readers, History Readers. Hvd. No. 1. 9 periods a week.
2. French or German. Conversation and Reading. 4 periods a week.

Complete foregoing study of continents. Study of United States begun. Geography Readers. 4 periods a week. Reading books in American History.

Elementary Science and Natural History. Flora and Fauna of United States. 2 periods a week.

As before, to the beginning of the development of Fractions. 6 periods a week.

ACADEMIC DEPARTMENT—Grammar Division.

	I. Language.	II. Geography and History.	III. Sci. Study.	IV. Mathematics.
<i>4th Grade.</i> Sessions: 8; 5 to 12 and 1 to 230. Periods on 40 minute basis.	1. English.—Hyde No. 2, Oral & Written Exercise, Spelling, Readers as before. 9 periods a week. 2. German.—4 periods a week. 3. French.—Not given in 1896-97.	Political and Descriptive of No. and So America. 4 periods a week. Readings in American History.	Zoölogy and Botany of America. 2 periods a week.	As before, Fractions, Factoring, Decimals. Compound Quantities. 5 periods a week.
<i>5th Grade.</i> Sessions and periods as above.	1. English.—Hyde No. 2, Grammatical Structure, Spelling, Abstracts of Reading, Composition. Read as before. 8 periods a week. 2. German.—4 periods a week. 3. French.—Not given in 1896-7.	Europe and Asia. 4 periods a week. Historical Readers included in (1). General History.	Zoölogy and Botany of Europe and Asia. 2 periods a week.	Decimals, Percentage. 5 periods a week.
<i>6th Grade.</i> Sessions: 8; 5 to 12 and 1 to 240. Periods as above.	1. English.—Read as before. Grammar, Analysis of sentences. 5 periods a week. 2. German.—4 periods a week. 3. French.—4 periods a week. 4. Latin.—Oral practice. Grammar, Lesson book. 5 periods a week. Of 2, 3 and 4, two may be chosen.	Africa, Australia, Polynesia and Review. 4 periods a week. History of the English race. Historical Readers included in (1).	Zoölogy and Botany of Africa and Australasia, Physical Geography. 2 periods a week.	Percentage, Review. 5 periods a week.
<i>7th Grade.</i> Sessions and periods as above	1. English.—Grammar, Analysis, Selected Literature, Compositions. 5 periods a week. 2. German.—4 periods a week. 3. French.—4 periods a week. 4. Latin.—5 periods a week. As before, two may be chosen.	History of the English race. 4 periods a week. In 1896-97, Geography completed. 2 periods a week.	Physics. 2 periods a week.	Arithmetic Completed, with Reviews and the Elements of Geometry. 5 periods a week. Book keeping optional.

Singing and calisthenics required to end of 6th Grade. 7th Grade pupils regularly admitted to afternoon Gymnasium classes. Drawing and Manual Training required to end of 5th Grade; afterward choice required between Free-hand Drawing and Bench-Work with Wood-Carving. Penmanship and Elocution required in all Grades.

SUMMARY OF COLLEGIATE STUDIES.

SUB-COLLEGIATE CLASS.

(Periods, 50 minutes.)

1. *Languages*: English, Etymologies and Synonyms, Elements of Rhetoric, Composition, Study of selections from general literature, four periods a week; for students in full classical course only, three periods a week. French and German, Grammar and Literature, each language, three periods a week. Latin, Nepos, Viri Romae, First Latin Readings, four periods a week. Greek, Lesson Book, five periods a week. Besides English, two languages may be chosen.

2. *Science*: (1) Chemistry, elementary, 1st semester, three periods a week; Physiology and Hygiene, 2nd semester, three periods a week; or (2) Physiology and Hygiene, for students in full classical course only, once a week throughout the year.

3. *Mathematics*: Algebra, Hall and Knight, four periods a week.

In 1896-97, Arithmetical Review will be studied instead of Algebra during the first seven weeks of the Fall term.

4. Bookkeeping, Drawing, Manual Training, optional; Elocution required.

COLLEGIATE DEPARTMENT.

(The amount of optional work that may be taken by any student is determined in each case by the Faculty.)

I. Classical Course.

1. **Junior Year.** *Languages*: English (College Preparatory work), two hours a week; French and German optional, College Preparatory work, each three hours a week; Latin, Cæsar and Vergil and Sight Reading, four hours a week; Greek, Xenophon and Sight Reading, four hours a week. *Ancient History*: Myers' text book, three hours a week. *Mathematics*: Academic Algebra completed, Geometry begun, four hours a week.

2. **Junior Middle Year.** *Languages*: English, two hours a week; French and German, each three hours a week, optional, continued from Junior Year; Latin, Vergil and Cicero and Sight Reading, four hours a week; Greek, Xenophon, Herodotus, Homer's Iliad and Sight Reading, four hours a week. *Physics*: Carhart and Chute's textbook, three hours a week and laboratory work. *Mathematics*: Geometry completed and Advanced Algebra completed, four hours a week.

3. **Senior Middle Year.** *Languages*: English, (1) College Preparatory or (2) Literature of the Nineteenth Century; French and German,

each three hours; Latin, (1) Cicero, Prose-work, Sight-reading and Reviews, four hours a week; or (2) Cicero, Livy and Horace, four hours a week; Greek, (1) The Iliad, Sight-reading and Reviews, four hours a week, or (2) The Odyssey, Memorabilia, Plato's Apology, four hours a week.

History and Politics: (1) Political History of England and the United States, Green's Shorter History and Hart's Epoch Series of American History, three hours a week, or (2) Anthropology and Social History (Tylor, Morris), three hours a week.

Science: Physics continued, or Chemistry (Remsen), three hours a week and laboratory work.

Mathematics: (1) Trigonometry and mathematical reviews, or (2) Trigonometry and Analytical Geometry, three hours a week.

English, Latin and Greek, eleven hours required; six hours more may be chosen.

4. Senior Year. *Languages*: English (1) History and development of the language; Literature of the Elizabethan Age, three hours a week; (2) Short Course, History and Development of the language, two hours a week, 2d semester; French and German, Literature, three hours a week; Spanish with especial attention to the language as used in commerce, three hours a week; Latin, Lucretius, Catullus and the Latin drama, three hours a week; Greek, the Dramatists, Thucydides, three hours a week.

History and Politics: (1) Modern History and Politics, the Revolutionary Epoch and its consequences, three hours a week, or (2) Political Economy and Sociology, three hours a week; (3) Ancient and Mediæval Art, two hours a week; (4) International Law, two hours a week, 1st semester.

Science: (1) Mineralogy, 1st semester, and Geology, 2d semester, or (2) Comp. Physiology, each course three hours a week and laboratory work.

Mathematics: Calculus and Theory of Equations, three hours a week.

Latin, Greek and one historical option, nine hours required; eight hours more may be chosen.

II. Literary Course.

1. Junior Year. *Languages*: English, Literature of the Nineteenth Century, four hours a week; French, German, Latin, optional, time as in Classical Course; *History*: Ancient History, as in Classical Course. *Science*: Chemistry continued, 1st semester, four hours a week with laboratory work; Botany, 2d semester, four hours with laboratory work. *Mathematics*: Algebra and Geometry, three hours a week, optional.

2. Junior Middle Year. *Languages*: English, origin and history of the language to the 16th century, four hours a week; French, German and Latin, continued from previous year, optional. *History*: Mediæval, (Myers, Emerton), three hours a week. *Science*: Zoölogy, 1st semester,

four hours a week; Elements of Physics,* 2d semester, four hours a week. *Mathematics*: Geometry completed, Plane Trigonometry, three hours a week, optional.

3. Senior Middle Year. *Languages*: English, the Puritan period and the age of Queen Anne, three hours a week; French,† German, Latin, continued from previous year, optional. Spanish, optional, three hours a week.

History: (1) Social History, Tylor's Anthropology, Morris' Aryan Race, three hours a week; (2) Political History of England and United States, Green's Shorter History and Hart's Epoch Series of American History, three hours a week; (3) History of Ancient and Mediæval Art, D'Anvers, illustrated lectures, two hours a week.

Science: (1) Physics,† 1st semester, and Mineralogy, 2d semester, three hours a week with laboratory work; (2) Comparative Anatomy and Physiology, three hours a week with laboratory work.

English, one course in Science, History (3) and one other historical option, eleven hours required; six more may be chosen.

4. Senior Year. *Languages*: English, Literature of the Eighteenth Century, and the Revolutionary Age; French, German, Latin (see Classical Course), Spanish, continued, optional.

History and Politics: (1) Modern History and Politics, discussions and reference-readings, three hours a week; (2) Political Economy and Sociology, Gide, Ely, three hours a week; (3) History of the Fine Arts in Modern Times, continued from previous year, two hours a week.

Science: (1) Astronomy, Young's Elements. 1st semester, and Geology, Le Conte's text-book, 2d semester, three hours a week; (2) Higher Biology, laboratory work, three hours a week.

Philosophy: Logic and Elements of Psychology, Sully's text-book, Ribot, Preyer, three hours a week. History (1) and (3), one science study and Logic and Psychology, twelve hours required, three hours more may be chosen.

III. Scientific Course.

1. Junior Year. *Languages*: English, Literature of the Nineteenth Century, Argumentative Composition, first semester, four hours a week; French, German or Latin, optional, time as in other courses. *History*: Ancient History, Myers, second semester, four hours a week. *Science*: (1) Elementary Chemistry, three hours a week, with laboratory work; (2) Zoölogy, laboratory, first semester, and Botany, Gray, second semester, three hours a week. *Mathematics*: Academic Algebra completed, Geometry begun, four hours a week.

* In 1896-97, Chemistry will be substituted for Physics.

† In 1896-97, Botany will be substituted for Physics.

2. Junior Middle Year. *Languages:* English, Origins and Literature to Sixteenth Century, second semester, three hours a week; French, German, Latin, continued from previous year, optional. *History and Politics:* Civil Government, Fiske's Civil Government, Young's Government Class Book, first semester, three hours a week. *Science:* (1) Chemistry, Qualitative Analysis, three hours a week with laboratory; (2) Physics, three hours a week with laboratory. *Mathematics:* (1) Geometry completed and College Algebra completed, four hours a week; (2) Mechanical Drawing, two hours a week.

3. Senior Middle Year. *Languages:* English, French, German, continued from previous year, or Spanish, each optional, three hours a week.

History: (1) Social History, Tylor, Morris, optional, three hours a week; (2) Political History of England and the United States, Green, Hart's Epoch Series, three hours a week.

Science: (1) Physics, continued, three hours a week with laboratory; (2) Mineralogy and Blowpipe Analysis, three hours a week with laboratory.

Mathematics: Trigonometry with Surveying and Mechanical Drawing, five hours a week.

4. Senior Year. *Languages:* English, French, German, or Spanish, continued from previous year, optional, each three hours a week.

History and Politics: (1) Modern History and Politics, discussions and reference-readings, optional, three hours a week; (2) Political Economy and Sociology, Gide, Ely, three hours a week.

Science: (1) Physics, three hours a week with laboratory; (2) Chemistry, Quantitative Analysis and Technical Chemistry, optional, three hours a week; (3) Astronomy and Geology, Young's Elements of Astronomy. Le Conte's Geology, optional, three hours a week.

Mathematics: (1) Analytical Geometry and Calculus, optional, three hours a week and field work; (2) Machine Design, optional, two hours a week.

IV. Post Graduate Work, covering a year of study, can be provided in any of the courses of the Collegiate Department.



THE KINDERGARTEN TRAINING CLASS.

The Adelphi training class combines the advantages of practice in the excellent Kindergarten of the Academy with the same instruction in art, science, music, physical culture, psychology and history that is offered to the advanced classes of the Collegiate Department. The course extends through two years. Candidates for admission must be at least eighteen years of age, must have had either a high-school training or its equivalent, and must satisfy the Director that they are competent to study kindergartening with prospect of success. Students who complete the full course and give satisfactory proof of proficiency and ability will receive a diploma certifying to their attainments.

Course of Study for the Kindergarten Training Class.

1st Year.	2nd Year.
The First Six Kindergarten Gifts. Clay Modeling, } Paper Folding, } Parquetry, } Mat Weaving, } Sewing. } Kindergarten Occupations. Elementary Psychology. Free-Hand Drawing and Color Work. History and Theory of Education. Lectures on the History of Art (optional). Kindergarten Drawing. Music—voice culture. Zoölogy and Botany. Physical Culture.	The Last Seven Kindergarten Gifts. Slat Interlacing, } Paper Interlacing, } Paper Cutting, } Peas Work, } Card Modeling, } Coloring. } Kindergarten Occupations. Lectures on the History of Art (optional). Music—voice culture. Physical Culture. Study of Froebel's "Education of Man." Mutter und Kose-Lieder. Theory and History of Education. Psychology.





THE ART DEPARTMENT.

Drawing is rightly a part of the education of every man and woman. A knowledge of it may always be turned to account, especially in these days when there is so large a demand for decorative work and applied art. There is no other study, to regard it in the light of training, that so inculcates the power and habit of observation, that so fosters accuracy, or tends more surely to correct those errors of sight, and incidentally of judgment, that arise from inapt seeing. Nor does any study prove to be of greater service to the student in after life, even though he pursues a vocation that is far removed from art. Pictures are the universal language, and the ability to make them, slight though it may be, is one that confers a distinct practical advantage on the individual, while it is of yet higher service in purifying his pleasures and raising the standard of his tastes. Drawing has a place in every year of the curriculum of the Academy. In the primary grades it has a solid basis in the manual training course, with which it is properly joined. In the higher grammar grades and in the collegiate department freehand drawing may be continuously studied, either as required or optional work. In addition to the facilities offered to the students in the regular courses of study, every possible advantage is secured to those who wish to devote themselves exclusively to the study of art.

The special scholar entering the Art Department is independent of the academic branches of the school, and there are no restrictions as to age. Some of the pupils are men and women in middle life. One may choose, according to predilection or ability, between the antique, still life, portrait, figure, charcoal, pastel, oil and water-color, or he may include all in his studies for which he finds time.

Students in this Department are admitted to all the privileges of the Academy Library and Reading-room.

Pupils of the Academy who have gone abroad to complete their education have found little to learn and nothing to unlearn. In their unanimous testimony to that effect, the Adelphi Art School receives its highest indorsement. It is hardly needful to cite the success which has come to many of our painters, sculptors and illustrators from the training and criticism they received in this school. It is enough merely to name among its graduates such well-known artists as William Ordway Partridge, Frank M. Boggs, Wilson De Meza, Albert P. Lucas, Orrin W. Simons, Harry Roseland, Hugh Eaton, W. E. Plympton, Phoebe Bunker, Eleanor Bannister, Mrs. G. D. Stearns, Gerald L. Steenks, Carrie L. Carter, Mrs. A. W. Bailey, M. R. Dixon, Alice Lovett, C. A. Burlingame and Joseph H. Boston.

BOOKS RECOMMENDED AND ADOPTED FOR USE IN THE ADELPHI ACADEMY.

ANCIENT LANGUAGES.—Allen & Greenough's and Bennett's Latin Grammars, Scudder's *Gradatim* and *First Latin Book*, Arrowsmith & Whicher's *First Latin Readings*, Lindsay's *Nepos*, Rolfe's *Viri Romæ*, Herbermann's *Sallust*, Harper & Tolman's *Cæsar*, Harper & Miller's *Virgil's Aeneid*, Allen & Greenough's *Ovid*, Kelsey's *Select Orations* and *Letters of Cicero*, Graves & Hawes' *Greek Lessons*, Allen's *Hadley's Greek Grammar*, Harper & Wallace's *Xenophon's Anabasis*, Seymour's *Homer's Iliad*, Manatt's *Xenophon's Hellenica*, Lewis' *Latin Dictionary*, Liddell & Scott's *Greek Dictionary*.

MODERN LANGUAGES.—Worman's *French Grammar*, *Classical French Reader*, Daudet's *Contes Choisis*, *Selections from Heath's "Modern Language Series,"* De Rougement's *La France* and *Manuel de Littérature Française*, Kimball's *Exercises in French Composition*, *French Drill Books A. and B.*, *Anecdotes Nouvelles*, *French Pronunciation* (Schoenhof), *En Wagon*, *La Lettre Chargée*, Whitney's *Introductory French Reader* and various editions of modern works as published by W. R. Jenkins, D. C. Heath and others. *German Grammars*: Collar's *Eisenbach*, Stein's *German Exercises*, Otto's *Elementary German Grammar*, Kase's *Kleine Anfänge*, Joynes-Meissner's *German Grammar*, Jagemann's *German Syntax*; *German Classics*: Lessing's *Minna von Barnhelm*, Schiller's *Wilhelm Tell*, *Jungfrau*, *Marie Stuart*, *Neffe als Onkel*, Goethe's *Hermann and Dorothea*, *Iphigenie*, *Egmont*. *German Prose*: *Im Zwielficht*, Andersen's *Märchen*, *Aus Meiner Welt*, *Träumereien* and other texts of Heath's *Modern Language Series*. Stern's *Studien und Plaudereien*, *First Series*. Cassell's *French-English Dictionary*, Whitney's *German Dictionary*.

PHYSICAL SCIENCES.—Prescott's *First Book in Qualitative Chemistry*, Prescott and Johnson's *Qualitative Analysis*, Fresenius' *Quantitative Analysis*, Cairns' *Quantitative Analysis*, Remsen's *Chemistry*, Remsen's *Organic Chemistry*, Bloxam's *Metallurgy*, Young's *Elements of Astronomy*, Carhart and Chute's *Elements of Physics*, Wood's *Elementary Mechanics*, Slingo and Brooker's *Electrical Engineering*, Gage's *Laboratory Course*, Sabine's *Laboratory Course*, Stewart and Gee's *Practical Physics*.

NATURAL SCIENCES.—Thompson's *Outlines of Zoölogy*, Lang's *Comparative Anatomy*, Wiedersheim's *Comparative Anatomy of Verte-*

brates, Parker's Zoötomý, Marshall & Hurst's Practical Zoölogy, Brooks' Invertebrate Zoölogy, Martin's Human Body, Foster & Langley's Practical Physiology, Lincoln's Hygienic Physiology, Schäfer's Histology, Gray's Anatomy, Sachs's Text Book of Botany, Gray's Structural and Physiological Botany, Gray's School and Field Botany, Sedgwick & Wilson's General Biology, Parker's Elementary Biology, Brush's Determinative Mineralogy, Le Conte's Geology, Dana's Mineralogy, Williams' Elements of Crystallography.

GEOGRAPHY.—Longman's New School Atlas, Kiepert Series of Physical Wall Maps, Sydow-Habenicht Series of Physical Wall Maps, Mitchell's Outline Maps, Johnston's Political Wall Maps, Chisholm and Leete's Geography, King's Geographical Readers, Dunton's Our World and Its People, Frye's Primary Geography, Tarr's Elementary Physical Geography.

MATHEMATICS.—White's Two Years With Numbers, Ray's Test Examples, Atwood's Complete Graded Arithmetic, Perrin's Drill Book in Algebra, Hall and Knight's Algebra, Packard's Bookkeeping, Hill's Lessons in Geometry, Bradbury and Emery's Algebra for Beginners, Byerly's Chauvenet's Geometry (Lippincott), Chauvenet's Trigonometry, Wells' Logarithmic Tables, Vega's Logarithmic Tables, Church's Descriptive Geometry, Carhart's Surveying, Anthony's Mechanical Drawing, Bowser's Analytic Geometry, Hardy's Differential Calculus.

HISTORY AND POLITICAL ECONOMY.—Sheldon-Barnes' American History, Montgomery's Historical Text-books, Thomas' History of the United States, Hart's Epoch Maps illustrating United States History, Hart's Epoch Series of American History, Green's Short History of the English People, Epoch Series of Modern History, Colbeck's Public School Historical Atlas, Myers' Series of Historical Text-books, Emerton's Historical Text-books, Fiske's Civil Government, Johnston's American Politics, Gide's Political Economy, Ely's Outlines of Political Economy, Compayré's History of Pedagogy, Tylor's Anthropology.

PHILOSOPHY.—Sully's Psychology, Robinson's Principles and Practice of Morality, Hills' Jevons' Logic, The International Education Series.

MUSIC.—The Academy Song-book (Ginn & Co.), The Coda (Ginn), Horton's Music Copy Book No. 2 (Daniel Slote & Co.), Wilhem's Method of Teaching Vocal Classes (Oliver Ditson Co.).

LIST OF BOOKS FOR USE IN THE STUDY OF ENGLISH, as reading-books, text-books, and materials for the study of English grammar and literature.

It is not expected that any class will, in one year, certainly make use of all the books that are mentioned in this list under the class numeral. A generous selection is made, and the selection is likely to vary somewhat from year to year, as experience dictates or as new material is offered.

Spelling-books recommended, Hazen's Complete Spelling-Book, Merrill's Word and Sentence Book.

ACADEMIC DEPARTMENT.—First Grade. *General Literature.*—

1. The New Script Primer (Potter & Putnam, N. Y.). 2. Longman's Infant Fairy Readers. 3. Appleton's First Reader. 4. Pollard's Synthetic Speller. 5. Cyr's The Interstate Primer and First Reader. 6. M. L. Pratt's Æsop's Fables, Vol. 1. 7. Barnes' First Reader. 8. New Franklin First Reader. 9. Swinton's Easy Steps for Little Feet.

History, Geography and Science.—1. Stories by Teacher. 2. Object Lessons. 3. Julia M. Wright's Seaside and Wayside, No. 1 (Heath). 4. Bass' Nature Stories for Young Readers (Heath). 5. Bass' Nature Stories for Young Readers, Animal Life. 6. Johonnot's Book of Cats and Dogs. 7. Thompson's Fairy Tale and Fable. 8. E. L. Smyth's Old Time Stories.

Second Grade. *General Literature.*—1. Longmans' Fairy Tale Books. 2. Scudder's Fables and Folk Stories (H. M. & Co.). 3. Grimm's Fairy Tales (Ed. Pub. Co.).

History.—1. Pratt's American History Stories, Vols. I.-III. (Ed. Pub. Co.). 2. Pratt's Stories of Colonial Children. 3. Eggleston's First Book in American History (A. B. C.). 4. York Powell's Old Stories from British History.

Geography.—1. Dunton's The World and Its People, Vols. I. and II. (Silver, Burdett & Co.). 2. King's Geographical Readers, Vol. 1. (Lee & Shepard). 3. Hall's Our World Reader, No. 1 (Ginn). 4. Andrews' Seven Little Sisters (L. & S.). 5. Frye's Primary Geography (Ginn).

Science.—1. Julia M. Wright's Seaside and Wayside, No. 2 (Heath). 2. Buckley's Fair Land of Science (Appleton).

Third Grade. *General Literature.*—1. Hyde's First Book in English (Heath). 2. Whittier's Selections from Child Life in Poetry (H. M. & Co.). 3. Kingsley's Water Babies (Ginn's Classics). 4. Heart of Oak Books, Vol. II. (Heath).

History.—1. Pratt's American History Stories, Vols. I.-III. (Ed. Pub. Co.). 2. Firth's Stories of Old Greece (Heath). 3. Church's Three Greck Children. 4. Church's Two Thousand Years Ago (Scribner or Dodd & Mead). 5. Century Historical Readers, Simple Stories, Parts I. and II. (Blackie & Son). 6. Dodge's Stories of American History, 1st Series (L. & S.).

Geography.—1. Andrews' Seven Little Sisters. 2. Andrews' Each and

All. 3. Frye's Primary Geography. 4. Dunton's The World and its People, Vol. III. 5. King's Geographical Readers, Vol. II.

Science.—1. Seaside and Wayside, No. 3. 2. Johnnot's Friends in Feathers and Fur. 3. Andrews' The Stories Mother Nature Told Her Children. 4. Kelly's Leaves from Nature's Story Book, 2 vols. (Ed. Pub. Co.)

Fourth Grade. *General Literature*.—1. Hyde's Practical Lessons, No. 2. 2. Heart of Oak Books, Vol. II. (Heath). 3. Hawthorne's Wonder Book, Part I. and II. (R. L. Series, H. M. & Co.). 4. Hawthorne's Little Daffydowndilly (R. L. Series). 5. Ruskin's The King of the Golden River (Ginn). 6. Whittier's Selection from Child Life in Prose (H. M. & Co.).

History.—1. Pratt's American History Stories, Vol. IV. 2. Montgomery's Beginners' American History. 3. Hawthorne's Grandfather's Chair (R. L. Series). 4. Pratt's Stories of Massachusetts (Ed. Pub. Co.). 5. Pratt's Pizarro, Cortez and Montezuma, and Story of Columbus. 6. Johnnot's Stories of Our Country. 7. Blaisdell's Stories of the Civil War (L. & S.). 8. Morris' Historical Tales, America (Lippincott). 9. T. W. Higginson's Young Folks' History of the United States (Longmans).

Geography.—1. King's Geographical Readers, Vols. III., IV. and V. 2. Dunton's The World and its People, Vol. III., and Our American Neighbors, Vol. IV. 3. T. W. Higginson's Young Folks' Book of American Explorers (Longmans). 4. Schwatka's Children of the Cold (Cassell). 5. Andrews' Each and All.

Science.—1. Wright's Seaside and Wayside, No. 4. 2. Frye's Brooks and Brook Basins (Ginn). 2. Mrs. Tenney's Natural History for Little Folks, 6 vols. (L. & S.)

Fifth Grade. *General Literature*.—1. Hyde's Practical Lessons, No. 2. 2. Hawthorne's Tanglewood Tales (R. L. Series, H. M. & Co.). 3. Heart of Oak Books, Vol. III. 4. Rolfe's Fairy Tales (Harper). 5. Litchfield's Nine Worlds (Ginn). 6. Dickens' Christmas Carol (R. L. Series, H. M. & Co.). 7. Macaulay's Lays of Ancient Rome (Longmans). 8. DeFoe's Robinson Crusoe, by Parley (Maynard, Merrill & Co.). 9. Penman's School Poetry Book.

History.—1. Hanson's Old Greek Stories (T. Nelson & Sons). 2. Hanson's Stories of Old Rome (T. Nelson & Sons). 3. Johnnot's Stories of Other Lands. 4. Longman's New Historical Readers, York Powell's Sketches from British History, for Standard IV. 5. Century Historical Readers, Nos. 5, 6 and 7. 6. Morris' Historical Tales, Germany (Lippincott). 7. Johnnot's Stories of the Olden Time. 8. Kingsley's Greek Heroes. 9. Pratt's Stories of England.

Geography.—1. Pratt's People and Places, Stories of Northern Europe. 2. Hale's Stories of Discovery (Roberts Bros.). 3. Dunton's The World

and Its People, Modern Europe, Vol. V. 4. Watson's Child Life in Italy.
5. Andrews' Ten Boys.

Science.—1. Chase & Clow: Stories of Industry, 2 vols. (Ed. Pub. Co.). 2. Shaler's First Book in Geology (Ginn). 3. Kingsley's Madam How and Lady Why (Macm.). 4. Lockwood's Animal Memoirs, Part I. (A. B. Co.). 5. Mrs. Tenney's Natural History for Little Folks, 6 vols. (L. & S.).

Sixth Grade. General Literature.—1. Longfellow's Poems of Places, Africa, Asia (H. M. & Co.). 2. Heart of Oak Books, Vol. IV. (Heath). 3. Kingsley's Hereward the Wake (Macm.) 4. Lamer's Boys' King Arthur and Boys' Froissart. 5. Hanson's Stories of the Days of King Arthur (T. Nelson & Sons). 6. Rolfe's Scott's Tales of Chivalry (Harper). 7. Blackmore's Lorna Doone. 8. Conan Doyle's Micah Clarke, School Edition (Longmans). 9. Gassiot's Stories from Waverly (Macmillan).

History.—1. S. R. Gardiner's Historical Biographies (Longmans). 2. Keary's The Heroes of Asgard (Macm.). 3. Morris' Historical Tales, England. 4. Morris' Historical Tales, France. 5. Rolfe's Tales from English History. 6. Rolfe's Tales from Scottish History (Harper). 7. Lang's True Story Book (Longmans). 8. Scott's Tales of a Grandfather (Ginn). Montgomery's Leading Facts of English History.

Geography.—1. Pratt's People and Places, Stories of India and China, Stories of Australasia. 2. Dunton's The World and Its People, Asia, Vol. VI. Views in Africa, Vol. VII. 3. Great Cities of the Modern World (Routledge). 4. Half-hours in the Far East. 5. Mrs. A. H. Leonowen's Our Asiatic Cousins (D. Lothrop & Co.).

Science.—1. Shaler's Story of Our Continent (Ginn). 2. Lockwood's Animal Memoirs, Part I. 3. Burroughs' Birds and Bees and Sharp Eyes and Other Papers (R. L. Series, H. M. & Co.).

Seventh Grade. General Literature.—1. Longfellow's Courtship of Miles Standish; Evangeline (R. L. Series, H. M. & Co.). 2. Warner's A-Hunting of the Deer and Other Essays (R. L. Series, H. M. & Co.). 3. English Classic Series; Webster's Reply to Hayne, Mrs. Browning's Selected Poems, Tennyson's Elaine (Maynard, Merrill & Co.). 4. Wentworth's Selections from Irving (Allyn & Bacon). 5. Hawthorne's House of the Seven Gables (H. M. & Co.). 6. Milton's L'Allegro and Il Penseroso.

History.—Tiffany's Pilgrims and Puritans, and From Colony to Commonwealth. 2. Scudder's George Washington (R. L. Series). 3. Coffin's Old Times in the Colonies, Boys of '76, Boys of '61, and Days and Nights on the Battlefield. 4. Cook's Stories of the Old Dominion (Harper). 5. Drake's Making of New England, Making of Virginia and the Middle

Colonies, Making of the Great West (Scribner). 6. Kellogg's Good Old Times (Lee & Shepard). 7. Parkman Leaflets (Little, Brown & Co.). 8. Maynard's Historical Classic Readings.

Science.—1. Lockwood's Animal Memoirs, Part II. 2. Cooper's Animal Life in the Sea and On the Land (A. B. Co.). 3. Blaisdell's How to Keep Well (Ginn). 4. Shaler's Story of Our Continent.

Sub-Collegiate Class. *General Literature*.—Longfellow's Tales of a Wayside Inn (H. M. & Co.). Whittier's Snow Bound and Songs of Labor (R. L. Series H. M. & Co.). Rolfe's Scott's Lady of the Lake (H. M. & Co.). Hughes' Tom Brown at Rugby (Ginn). Martineau's Peasant and Prince (Ginn). Heart of Oak Books, No. 5 (Heath). English Classic Series: Rab and his Friends, Scenes from Adam Bede (Maynard, Merrill & Co.). Rolfe's Shakespeare's Merchant of Venice. Church's Three Greek Children (Putnam). Eber's Uarda. Plutarch's Lives (Ginn). Maynard's Historical Classic Readings. Montgomery's Franklin's Autobiography (Ginn). The Parkman Leaflets (Little, Brown & Co.).

COLLEGIATE DEPARTMENT.—Carpenter's Exercises in Rhetoric and Composition, Genung's Outlines of Rhetoric, Lounsbury's English Language, Sweet's Anglo-Saxon Primer, Skeat's Chaucer, Rolfe's Edition of Shakespeare's Plays, Hudson's Wordsworth, Thurber's Selected Essays of Macaulay and Addison, Irving's Tales of a Traveler. Spencer's Faerie Queen, Kitchin's Edition Bk. I.; Bacon's Essays, Gayley's Classic Myths (Ginn), and, in general, the volumes published in the Clarendon Press English Classic Series; Cassell's National Library, Ginn's Classic Series, The Riverside Literature Series (Houghton, Mifflin & Co.), Maynard's English Classics, the Students' Series of English Classics (Leech, Shewell & Sanborn), and other similar issues.

STUDENTS' ORGANIZATIONS IN THE ADELPHI ACADEMY.

1. "THE ADELPHIAN."—*Board of Editors*: Editors-in-Chief: A. Dudley Britton, '97, Rebecca L. Hooper, '96; Associate Editors: F. D. Morgans, '97, Alice Pfizer, '97, Mabel A. Knudson, '97, Helen Atwood, '97, Katherine C. Ogden, '98, R. Deane Brooks, '97; *Alumnæ Editor*: Ella McDermott; *Business Managers*: Elliott M. Eldredge, '98, William R. Gelston, '98.

2. THE ADELPHI DEBATING SOCIETY.—*Officers*: President, Henry A. Ingraham, '97; Vice-President, Herman S. Whitcomb, Sp.; Treasurer, Eugene S. Wilson, '99; Secretary, William R. Gelston, '98; Board of Critics, Professors Lawton, Shields and Hobson.

3. THE ADELPHI ACADEMY GLEE CLUB.—*Officers*: President, Rebecca L. Hooper, '96; Secretary, Edna Story, '97; Librarian, Gertrude L. Thursby, '98. Annual concert, Friday, March 20, 1896, in the Academy Hall, at 8 P. M.

4. THE ATHLETIC ASSOCIATION.—*Officers*: President, Elliott M. Eldredge, '98; Vice-President, Frederick Graff, '98; Secretary, W. R. Gelston, '98; Treasurer, Royal D. Brooks, '97; Captain of the baseball nine, Frederick Graff; Captain of the football team, Frederick Graff; Captain of the track athletic team, Jack G. Beasley, '99. Annual exhibition, March 13, 1896.

Athletic Advisory Committee: Faculty members, Prof. Wm. W. Share, Dr. H. S. Pettit, Mr. John H. Safford; Alumni member, Mr. Charles P. Hutchins; student members, Elliott M. Eldredge, Frederick Graff.

ORDER OF EXERCISES AT THE GRADUATION OF THE CLASS OF 1895.

COMMENCEMENT DAY, June 11th, 1895.

EMMANUEL BAPTIST CHURCH, 8 P. M.

1. MUSIC—Organ Prelude. *Frank R. Parshall.*
2. INVOCATION—*Rev. Dr. A. J. F. Behrends.*
3. MUSIC—"Graduation Song." *Adelphi Glee Club.*
4. ORATION—"The Study of the Classics." *William D. Cutter.*
(Representative of the College Preparatory Class).
5. ESSAY—"Japan's Victories in Peace and War."
Mary Clyde McCarroll.
6. ORATION—"Robert Louis Stevenson." *Jay Van Everen.*
7. ESSAY—"The English Ballad." *Amy C. Romer.*
8. MUSIC—"Anchored." *Adelphi Glee Club.*
9. ORATION—"The Possibility of Uniting Labor and Capital."
Walter Casamajor (excused from speaking).
10. ESSAY—"The Value of the Study of Biology." *Helen E. Royce.*
11. ORATION—"New York Under the Empire." *J. Mandly Hills.*
12. VALEDICTORY ADDRESS—*Mabel E. Shaw.*
13. PRESENTATION OF CERTIFICATES AND DIPLOMAS.
14. MUSIC—"Vale." Adelphi School Song. *Adelphi Glee Club.*
15. ADDRESS—*Frederick E. Crane, Esq.* (Adelphi, '87.)
16. MUSIC—Organ Postlude. *Frederick R. Parshall.*

Two members of the class of '95 received diplomas in the Classical Course; ten, in the Collegiate Course; and ten in the Scientific Course.

THE ADELPHI ACADEMY ALUMNI ASSOCIATION.

ORGANIZED JANUARY 3, 1884.

The officers of this Association are : President, Mr. Joel S. de Selding, Caton Avenue, Flatbush ; Vice-President, Miss Caroline D. Camp, 257 Lafayette Avenue ; Secretary, Miss Mabel L. Hastings, 276 Ryerson Street ; Treasurer, Mr. Charles P. Hutchins, 796 DeKalb Avenue.

The Alumni have continued to evince this year, as formerly, an active interest, especially in the development of the Adelphi Field. Some of the Alumni produced last Fall a very successful representation of a play entitled "1895," the proceeds of which performance were devoted to the equipment of the Field. The Adelphi Dramatic Association also, which has become a vigorous auxiliary of the Alumni Association, gave its third annual entertainment at the Criterion Theater, April 16th and 17th. The officers of the Dramatic Association are : President, Charles R. Hebard ; Vice-President, F. Percy Edgar ; Secretary, Franco C. Munson ; Treasurer, George A. Powers, Jr.

THE ASSOCIATE ALUMNÆ OF THE ADELPHI ACADEMY.

This Association was organized on the 2d of February, 1895. All Alumnae of the Academy are eligible to membership. The Association is intended to provide for the Alumnae convenient means for better social acquaintance, and for organized effort in behalf of the Academy. For the greater convenience of the members the meetings of the Association are held in the afternoon.

The officers for the next year are as follows : President, Miss Caroline D. Camp, 257 Lafayette Avenue ; Vice-President, Miss Josephine W. Hollenback, 460 Washington Avenue ; Treasurer, Miss Helen F. Pratt, 232 Clinton Avenue ; Recording Secretary, Miss Isabel Peckham, 406 Classon Avenue ; Corresponding Secretary, Miss Florence A. Squier, 32 Prospect Park West.

The Bursar, Miss Morrill, should be informed of any changes in address or of any items of interest concerning Alumni, in order that the Register of Graduates, which was last published in the catalog for 1893-94 may be corrected to date.

FORM OF BEQUEST.

I give, devise, and bequeath unto the Adelphi Academy of Brooklyn, the sum of dollars, to be paid to the said corporation by my executors.

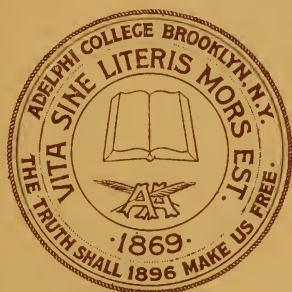
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Adelphi College and Adelphi Academy

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1896-97





FIRST ANNUAL CATALOG
OF
ADELPHI COLLEGE
AND
Twenty-Eighth Annual Catalog
OF
ADELPHI ACADEMY.

TUFTS COLLEGE
LIBRARY.

Lafayette Avenue, St. James Place and Clifton Place,
BROOKLYN, N. Y.

1896-1897.

BROOKLYN :
EAGLE BOOK AND JOB PRINTING DEPARTMENT.

1897.

RATES OF TUITION.

PER QUARTER, PAYABLE IN ADVANCE.

No extra charges in any study of the required course except for Materials used in the Laboratories.

Primary Division.

Kindergarten. First and second years, each, per quarter.....	\$12.50
Intermediate Grade.....	\$15.00
First Grade.....	15.00
Second Grade.....	17.50
Third Grade.....	20.00

Grammar Division.

Fourth Grade.....	\$22.50
Fifth Grade.....	25.00
Sixth Grade.....	\$30.00
Seventh Grade.....	32.50

Sub-Collegiate Division.

First Year Class.....	\$37.50
Second Year Class.....	\$40.00
Third Year Class.....	\$40.00

Collegiate Division.

Fourth Year, or Freshman Class.....	\$40.00
Fifth Year, or Sophomore Class.....	40.00
Junior Class.....	45.00
Senior Class.....	45.00

Tuition is payable at the Bursar's office in the Academic Building.

No Deduction is made for absence of less than five weeks; in case of consecutive absence of five weeks or more, tuition for one-half the time will be refunded.

Special Students who attend one class recitation only, pay \$15 a quarter for each branch pursued. Special students in the sciences are entitled to the same amount of laboratory work as that which is required of regular students; for extra work in the laboratories they pay \$10 a quarter for each additional period. No special student is received for less than one quarter.

The fee for instruction in the Kindergarten Training Class is \$100 per annum. There are no extra charges.

For instruction in Drawing or Painting the fee is \$10 per term for a half-day session three times a week, or \$15 for the whole day session.

Special students in the Gymnasium pay \$9 a quarter for three lessons a week, and \$6 a quarter for two lessons a week.

The fee for instruction in the advanced Manual Training Class is \$8 per term. For pupils who purchase the tools that they use, the fee is \$6.

The Academy maintains a Book Room, where all books and stationery may be purchased by the students for cash.

Students in the Chemistry classes will make a deposit of \$5 to cover cost of materials. In the Biology classes a similar deposit of \$3 is required.

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THE ADELPHI CALENDAR.

1897—1898.

1897.

June 8-9....Tues. and Wednesday. Exhibition Days.

June 8.....Tuesday.....Announcement of Prizes and Promotions; Graduation Exercises of the Adelphi Academy, and Commencement Day.

June 9.....WednesdayGraduation Exercises of the Train-
ing Class.

June 10-11...Thursday and Friday..Examinations for Admission.

Sept. 15.....WednesdayFirst Term begins.

Sept. 15-16 Examinations for Admission.

Sept. 17.....Friday..... Condition Examinations.

Sept. 20.....Monday Recitations begin.

Nov. 24 Second Term begins.

Nov. 25-26Thanksgiving Recess.

Dec. 23.....Thursday, to Dec. 31,
Friday, inclusive....Christmas Recess.

1898.

Jan. 26 Third Term begins.

Apr. 6 Fourth Term begins.

Apr. 8.....Friday, to Apr. 15, in-
clusiveEaster Recess.

June 14-15...Tues. and Wednesday. Exhibition Days.

June 14.....TuesdayCertificates presented.

June 15.....WednesdayCommencement Day, Adelphi Col-
lege and Adelphi Academy.

June 16-17...Thursday and Friday.Examinations for Admission.
All Legal Holidays are observed.

OFFICE HOURS :

The President, daily, after Sept. 13, 9 to 10 A. M.

The Library, session days, 8:30 A. M. to 4 P. M.

The Gymnasium, session days, 9 A. M. to 5 P. M.; Saturdays, at the pleasure of the Director, 9 A. M. to 12 M.

The Bursar, session days, after Sept. 13, 8:30 A. M. to 12 M.; 1:30 P. M. to 4 P. M.

For catalogs and other information address "The Registrar, Adelphi College, Brooklyn."

BOARD OF TRUSTEES.

(NAMES IN ORDER OF SENIORITY.)

THE REV. CHARLES W. HOMER.....	73	St. James Place.
HAYDEN W. WHEELER, <i>Treasurer</i>	274	Washington Avenue.
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JOHN A. TAYLOR	159	South Oxford Street.
CHARLES H. LEVERMORE.....	30	St. James Place.
JEROME E. MORSE.....	129	St. James Place.
WILLARD S. TUTTLE, <i>Secretary</i>	16	St. James Place.
ANNIE G. TRUSLOW (Mrs. F. C. Truslow)....	783	St. Marks Avenue.
AMELIA B. HOLLENBACK (Mrs. J. W. Hollen- back)	460	Washington Avenue.
JOHN N. BEACH	178	South Oxford Street.
AUGUSTUS VAN WYCK	172	Hancock Street.
Z. TAYLOR EMERY, M.D.	481	Washington Avenue.
TIMOTHY L. WOODRUFF, <i>President</i>	70	Eighth Avenue.
CHARLES A. MOORE.....	35	Eighth Avenue.
WILLIAM BERRI.....	401	Grand Avenue.
JOHN C. KELLEY.....	247	Hancock Street.
T. ALFRED VERNON.....	256	Clinton Avenue.
CLINTON L. ROSSITER	48	Montgomery Place.
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Professor of Physics.
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Professor of Latin and Greek.
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- JOHN FRANKLIN SHIELDS, B.S. (Penn. State Col., '92),
Professor of Mathematics.
- HENRY STOUT PETTIT, M.D. (L. I. College Hospital, '90),
Director of the Gymnasium and Professor of Physical Culture.
- STOCKTON AXSON, B.A., M.A. (Wesleyan, '90, '92),
Assistant Professor of English.
- ADELBERT GRANT FRADENBURGH, A.B. (Allegheny College, '90;)
Ph.D. (Univ. of Wisconsin, '94), Assistant Professor of History.
- VIOLETTE EUGÉNIE SCHARFF, Assistant Professor of French.
- HENRY ZICK, Ph.D. (Heidelberg, '87), Assistant Professor of German.
-

OTHER INSTRUCTORS.

Instructors in English: ELINOR M. BUCKINGHAM, A. B. (Radcliffe, '92), EMMA E. FOSTER, ORDELIA A. LESTER, CHARLOTTE RAWSON.

Instructors in German: LILLIAN FOSTER (A. A., '78), MRS. F. ABEKEN WESTBROOK.

Instructors in French: LOUISE CHARVET, ISABEL D. McKEE, A.B. (Smith, '82).

Instructors in Classical Languages: ISABEL D. McKEE, ADELBERT G. FRADENBURGH, GEORGE P. F. HOBSON, B.A. (Harvard, '86), FRANKLIN T. MILLS, JOHN H. SAFFORD, B.A., A.M. (Williams, '84, '87).

Instructors in History and Politics: LOUISE BOTH-HENDRIKSEN, in the History of Art; ELINOR M. BUCKINGHAM, CHARLOTTE RAWSON.

Instructors in Geography: J. AGNES ESTES, B.A. (Vassar, '95), ELLA F. TRENT, MARY D. WOMACK.

Instructors in Mathematics: JULIUS T. ROSE, in Book-keeping; GEO. P. F. HOBSON, B.A., CLAUDE W. L. FILKINS, C.E., M.C.E. (Cornell, '93, '94), FRANKLIN T. MILLS.

Instructors in Science: EMMA E. FOSTER, in Physiology; ELLA F. TRENT, in Biology and Chemistry; MARY D. WOMACK, in Biology; RUDOLPH SELDNER (A. A., '91), Ph.B. (Columbia, '94), Assistant in the Laboratories.

Instructors in Elocution: WILLIAM P. MACFARLANE, MRS. CORNELIA S. ROBINSON.

INSTRUCTORS IN CHARGE OF GRADES IN THE GRAMMAR AND PRIMARY DEPARTMENTS.

Seventh Grade: FRANKLIN T. MILLS, A.B. (Williams, '93), CHARLOTTE RAWSON; Assistant, JEROME R. ALLEN, A.B. (Williams, '95).

Sixth Grade: JEANNETTE D. WEEKS, JEAN BOGGS; Assistant, J. AGNES ESTES, B.A. (Vassar, '95).

Fifth Grade: KATHERINE BRYAN, MARY F. KIRCHWEY, ALICE TORREY WHYTE.

Fourth Grade: EMILY L. BIRDSEYE, HELEN D. HEDGE, EMILY F. SMITH, A.B. (Cornell, '93); Assistants, ELLA F. TRENT, MARY D. WOMACK.

Third Grade: CARRIE E. HEDGES, ESTELLE LEGGETT, ANNA K. SERVOSS.

Second Grade: HENRIETTA B. KENT, CLARA B. KIRCHWEY.

First Grade: MARY E. MALLORY, ALICE I. KENT (A. A., '83).

Intermediate Primary Grade: EDNA E. PATEMAN.

KINDERGARTEN.

ANNA E. HARVEY, with ELIZA K. WILLETS, B.L. (Swarthmore, '93), Assistant.

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ANNA E. HARVEY, Director; SARAH E. SCOTT, Lecturer upon Pedagogical Theory and History; PROF. F. W. OSBORN, Instructor in Psychology; ELIZABETH V. GAINES, Instructor in Science; MRS. LUELLA BATES EDWARDS (Adelphi Training School, '95), Instructor in Kindergarten Theory; PROF. J. B. WHITTAKER, Instructor in Art; J. LAWRENCE ERB, Instructor in Music; FRANCES H. FLAGLER, Instructor in Physical Culture.

ART DEPARTMENT.

JOHN B. WHITTAKER.....Professor of Painting and Drawing
ADALINE G. WYKES....Instructor in Drawing and Manual Training
OLIVER WEBB.....Instructor in Manual Training

DEPARTMENTS OF MUSIC AND PHYSICAL CULTURE.

ASHBURTON S. LEWIS, EDITH T. HALL.....Accompanists
J. LAWRENCE ERB, CAROLINE S. KIBBE. Instructors in Vocal Music
HENRY S. PETTIT, M.D. (L. I. College Hospital, '90),
Professor of Physical Culture and Director of the Gymnasium
FRANCES H. FLAGLER.....Assistant in Physical Culture
JULIUS T. ROSE.....Instructor in Penmanship

LECTURERS.

CHARLOTTE MORRILL.....Lecturer upon Ethics
PROF. W. C. PECKHAMLecturer upon Geography and History

OFFICERS OF ADMINISTRATION.

PROF. J. FRANKLIN SHIELDS.....Secretary of the College Faculty
JOHN H. SAFFORD.....Secretary of the Academy Faculty
MABEL A. FARR.....Librarian
CHARLOTTE MORRILL.....Bursar
MAY M. HALL (A. A., '87)Registrar



MAIN LABORATORY, DEPARTMENT OF CHEMISTRY.



ADELPHI COLLEGE.

ADELPHI COLLEGE was incorporated by the unanimous vote of the Regents of the University of the State of New York, at Albany, Wednesday, June 24, 1896. In the name of that University, as well as in its own name, its honors will be bestowed. The degrees issued by Adelphi will bear the seals of both the University and the College, and will be signed by the Chancellor and Secretary of the University as well as by the officers of the College.

Adelphi College is the natural outcome and fitting crown of the Adelphi Academy. The Academy still remains intact, but its Collegiate Department, which formerly included much work of collegiate grade, for which it could not easily obtain proper credit, is now extended to the full limit of the customary college courses.

In any one of these courses the Bachelor's degree may be obtained by two years of successful study beyond the completion of the Adelphi Academy curriculum. That curriculum, however, remains substantially unchanged in time and scope, and its diploma will be awarded under the same conditions as heretofore.

The courses of study leading to a baccalaureate degree in Adelphi College are arranged in three groups, viz. : the Classical Course, the Literary Course and the Scientific Course. Students who complete the required amount of work in the Classical or Literary Course to the satisfaction of the Faculty will receive the degree of Bachelor of Arts ; in the Scientific Course they will, under similar conditions, receive the degree of Bachelor of Science. All courses in Adelphi College are open to women.

TERMS OF ADMISSION.

Members of the Third Year Class in the Sub-Collegiate Department of the Adelphi Academy, who have satisfactorily completed the required studies of the year and of the regular curriculum of the Sub-Collegiate Department up to that point, are admitted without examination, in accordance with the usual rules of promotion in the Adelphi Academy, to the Freshman Class in Adelphi College in any course for which they have been prepared.

Other applicants for admission to Adelphi College may present themselves at the College (Clifton Place entrance, Room No. 53) for examination on the Thursday and Friday after Commencement (June 10 and 11, 1897); or on the first two days of the Fall Term (September 15 and 16, 1897).

ORDER OF EXAMINATIONS.

	FIRST DAY.	SECOND DAY.
8.30-9.	Registration.	
9-10.	Cæsar and Cicero.	Academic Algebra.
10-11.15.	Vergil and Sight Reading. Chemistry, Sci. Course.	Plane Geometry.
11.30-12.45.	German.	French.
2-3.30.	English.	2-3.15. Anabasis, Adv. Algebra.
3.30-4.30.	Physics, Sci. Course.	Physics and Chemistry, Lit. Course.
3.30-4.30.	Anc. History.	3.15-4.30. Iliad and Sight Reading.
4.30-5.30.	U. S. Hist.	Solid Geom., Botany, Zoölogy.

From students in well-known and reputable schools certificates will ordinarily be accepted, so far as the studies pursued in such schools cover the entrance requirements of Adelphi College. All such certificates should be signed by the responsible instructors in the school last attended, and should state explicitly, under each subject of study, the text books used, the extent of the work done, and the time devoted to it, with dates. Regents' certificates or pass cards will be accepted for the ground they cover. All such certificates should be presented as early in June as possible.

Special students of a mature age, not candidates for a degree, may be admitted to courses of study which they are competent to pursue, upon presentation of satisfactory evidence of proficiency.

Applicants for admission to the Freshman Class in Adelphi College, in any one of the three courses, must be at least fifteen years of age and be able to pass satisfactory examinations in the specified number of the following subjects :

I. English.

NOTE.—No candidate will be accepted in English whose work is notably deficient in point of spelling, punctuation, idiom or division into paragraphs.

A. The candidate may offer preparation in the uniform college entrance requirements in English, as follows :

I. READING. The candidate will be required to present evidence of a general knowledge of the subject matter of the books here named, and to answer simple questions concerning the lives of the authors. The form of the test will usually be the writing of paragraphs upon chosen topics.

In connection with these tests the candidate may present an exercise-book, properly certified by an instructor, containing compositions or other written work done in connection with the reading of the books. The books set for this part of the examination are:

1897: Shakspeare's *As You Like It*; Defoe's *History of the Plague in London*; Irving's *Tales of a Traveller*; Hawthorne's *Twice Told Tales*; Longfellow's *Evangeline*; George Eliot's *Silas Marner*.

1898: Milton's *Paradise Lost*, Books I and II; Pope's *Iliad*, Books I and XXII; The Sir Roger de Coverley Papers in the *Spectator*; Goldsmith's *Vicar of Wakefield*; Coleridge's *Ancient Mariner*; Southey's *Life of Nelson*; Carlyle's *Essay on Burns*; Lowell's *Vision of Sir Launfal*; Hawthorne's *House of the Seven Gables*.

1899: Dryden's *Palamon and Arcite*; Pope's *Iliad*, Books I, VI, XXII, and XXIV; The Sir Roger de Coverley Papers in the *Spectator*; Goldsmith's *Vicar of Wakefield*; Coleridge's *Ancient Mariner*; De Quincey's *Flight of a Tartar Tribe*; Cooper's *Last of the Mohicans*; Lowell's *Vision of Sir Launfal*; Hawthorne's *House of the Seven Gables*.

1900: Dryden's *Palamon and Arcite*; Pope's *Iliad*, Books I, VI, XXII, and XXIV; The Sir Roger de Coverley Papers in the *Spectator*; Goldsmith's *Vicar of Wakefield*; Scott's *Ivanhoe*; De Quincey's *Flight of a Tartar Tribe*; Cooper's *Last of the Mohicans*; Tennyson's *Princess*; Lowell's *Vision of Sir Launfal*.

2. This part of the examination presupposes a more careful study of each of the works named below. The examination will be upon subject matter, form and structure.

1897: Shakspeare's *Merchant of Venice*; Burke's *Speech on Conciliation with America*; Scott's *Marmion*; Macaulay's *Life of Samuel Johnson*.

1898: Shakspeare's *Macbeth*; Burke's *Speech on Conciliation with America*; De Quincey's *Flight of a Tartar Tribe*; Tennyson's *Princess*.

1899: Shakspeare's *Macbeth*; Milton's *Paradise Lost*, Books I and II; Burke's *Speech on Conciliation with America*; Carlyle's *Essay on Burns*.

1900: Shakspeare's *Macbeth*; Milton's *Paradise Lost*, Books I and II; Burke's *Speech on Conciliation with America*; Macaulay's *Essays on Milton and Addison*.

B. In lieu of the uniform college entrance requirement in English, candidates for admission to college from the Literary Course in the Sub-Collegiate Department of the Adelphi Academy will be permitted to offer the work in English in the first three years of that Department.

II. French.

A. Minimum requirement. A knowledge of fundamental principles of grammar; as, rules for the formation of the plural and of the feminine in nouns and adjectives, the use of the articles, the place of the pronouns and the regular and irregular verbs. Reading of two French books, as, "Colomba," by Merimée; "L'Abbé Constantin," by Halévy; and of two plays arranged by Bôcher, such as: "Mademoiselle de la Seiglière," by J. Sandeau; and "Le roman d'un jeune homme pauvre," by Feuillet. Equivalents may be offered.

B. Maximum requirement. A thorough knowledge of French grammar; use of the tenses, rules for the subjunctive and for the past participle, government of verbs, formation of adverbs, French idioms.

Reading: *Le Pêcheur d'Islande*, by Loti; *La Tulipe Noire*, by Dumas; *La Mare au Diable*, G. Sand; *La Belle Nivernaise*, Daudet; *Le Curé de Tours*, by Balzac; *Quatre-vingt-treize*, V. Hugo. Composition, based upon the books read. Ability to take part in recitations conducted in French. Equivalents may be offered.

III. German.

A. Minimum requirement. A knowledge of elementary German (Otis; Joynes-Meissner, Part I), including irregular verbs, prepositions and conjunctions. Reading of four German books, as, Storm, *Immensee*; Hillern, *Hoher als die Kirche*; Heyse, *Das Maedchen von Treppi*; Schiller, *Der Neffe als Onkel*. Equivalents may be offered.

B. Maximum requirement. A thorough knowledge of German grammar (Joynes-Meissner, Thomas, complete); translation of easy English into German; ability to take part in recitations conducted in German; reading and writing of German script. Reading of the following books (or their equivalent): Lessing, *Minna Von Barnhelm*; Schiller, *Wilhelm Tell*; Freitag, *Aus dem Staate Friedrichs des Grossen*; Freitag, *Soll und Haben*.

IV. Greek.

Xenophon's *Anabasis*, 4 books; Homer's *Iliad*, 3 books; sight reading; Woodruff's *Prose Composition*.

V. Latin.

A. Minimum requirement. Cæsar, 4 books or its equivalent; Cicero, 5 orations.

B. Maximum requirement. Cæsar, 4 books or its equivalent; Cicero, 5 orations; Vergil, *Æneid*, 4 books; sight reading in Ovid, Cicero and Vergil; Daniell's *Prose Composition*.

VI. History.

A. Ancient History down to the fall of the Roman Empire in the West. Myers' text-book is recommended, though not prescribed.

B. United States History.

VII. Mathematics.

A. Algebra, through Quadratics and Progressions; Hall & Knight's text-book preferred; Plane Geometry, Byerly's Chauvenet preferred.

B. College Algebra and Solid Geometry.

VIII. Science.

A. Elementary Botany and Zoölogy.

B. Elementary Chemistry, non-metals.

C. Elementary Chemistry, metals.

D. Elementary Physics; introductory course, may be covered in four weekly exercises for one semester with laboratory practice.

E. Elementary Physics, at least one year's study, four hours weekly, with laboratory practice.

Of these subjects here numbered from I to VIII, all candidates must be prepared to pass satisfactory examinations in the following:

English, I, either A or B; and Mathematics, VII, A, Algebra and Plane Geometry.

In addition, candidates for admission to the Classical Course must be prepared in the following subjects: Ancient History, VI, A; Latin, maximum requirement, V, B; Greek, IV; and either French or German, minimum requirement, II, A, or III, A.

For the Literary Course the following are the additional subjects required: Ancient History and United States History, VI, A, B; Science, Botany and Zoölogy, Elementary Chemistry, non-metals; and Elementary Physics, briefer course, VIII, A, B, D; Languages, any two of the following: French, maximum requirement, II, B; German, maximum requirement, III, B; Latin, maximum requirement, V, B.

For the Scientific Course the additional requirements are: United States History, VI, B; Science, Chemistry, VIII, B, C, and Physics, VIII, E; Mathematics, Advanced Algebra and Solid Geometry, VII, B; Languages, any two of the following: Latin, minimum requirement, V, A; French, maximum requirement, II, B; German, maximum requirement, III, B.

In each college year, at least fifteen hours a week of classroom work will be required. All choice of optional studies is subject to the approval of the Faculty.

Candidates for admission to advanced standing will be required to pass satisfactory examinations upon the work already accomplished by the class to which they wish to be assigned.





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KINDERGARTEN



GYMNASIUM

COURSES OF STUDY.

Department of English Literature.

1. ORIGINS OF MODERN ENGLISH LITERATURE: Poetry and prose of England from the fourteenth century to the Elizabethan age, with special attention to the works of Chaucer, Malory and Spenser; together with some study of the development of the language. Rhetoric and composition. References: Ten Brink's English Literature, Morley's English Writers, Skeat's Specimens of English Literature, Vol. III; Lounsbury's English Language; works of the authors studied. Freshman Year, Literary Course, three hours a week.

2. HISTORY OF ENGLISH LITERATURE AND THE ELIZABETHAN DRAMA: Survey of the literature from its beginning, together with assigned collateral readings; the plays of Shakspeare and his contemporaries. Essays. References: Stopford Brooke's English Literature, Taine's English Literature, Saintsbury's History of Elizabethan Literature, Ward's English Poets, Ward's History of English Dramatic Literature, Symonds' Shakespeare's Predecessors, Rolfe's Editions of Shakespeare's Plays, the Mermaid Series of Old Dramatists. Sophomore Year, Classical, Literary and Scientific Courses, three hours a week.

3. EIGHTEENTH AND EARLY NINETEENTH CENTURY LITERATURE: A critical study of English literature from Pope to Keats, showing the decay of the critical school and the rise and progress of the revolutionary and transcendental school. Themes. References: Principally the works of the authors studied; also Gosse's History of Eighteenth Century Literature, Leslie Stephen's History of English Thought in the Eighteenth Century, Mrs. Oliphant's Literary History of England, Dowden's Studies in Literature, Saintsbury's History of Nineteenth Century Literature, Lives of the Authors discussed in the English Men of Letter Series and in the Great Writers Series. Junior Year, Classical and Literary Courses, three hours a week.

4. VICTORIAN LITERATURE: A critical study of the works of the chief poets and essayists of this period. Themes. References: As in the preceding course, the most important books are the works of the authors themselves; Saintsbury's History of Nineteenth Century Literature, Stedman's Victorian Poets, Mrs. Oliphant's The Victorian Age of English Literature, Dowden's Transcripts and Studies, Morley's English Literature. Senior Year, Classical and Literary Courses, three hours a week.

Department of English Language.

1. OLD ENGLISH: A course in Old English Grammar and Translation. References: Bright's Anglo-Saxon Reader, Smith's Old English Grammar, Lounsbury's English Language, Emerson's History of the English Lan-

guage, Brooke's History of Early English Literature, Ten Brink's Early English Literature, Skeat's Etymological Dictionary. Optional, Junior and Senior Years, alternating with Course 2.

2. MIDDLE ENGLISH: From Orm to Langland. References: Morris' Specimens of Early English, Part I; Morris' and Skeat's Specimens of Early English, Part II; Ten Brink's English Literature, Vol. II. Optional, Junior and Senior Years, alternating with Course 1.

Department of the French Language and Literature.

1. SEVENTEENTH CENTURY FRENCH LITERATURE. Lectures: Spanish and Italian influences; rise of the French Drama; development of the French Tragedy; Comedy in France; influence of the Church. Readings from the works of Corneille, Racine, Molière. Freshman Year, Literary Course, three hours a week.

2. LITERATURE OF THE NINETEENTH CENTURY. Lectures: The Revolution and Empire; the religious renaissance; German and Italian influences; Romanticists and Classicists. Readings from the works of Mme. de Staël, V. Hugo, Dumas, Taine. Sophomore Year, Literary Course, three hours a week.

3. LITERATURE OF THE EIGHTEENTH CENTURY. Comparative study of the literature of the Seventeenth, Eighteenth and Nineteenth Centuries. Lectures: English influence; Voltaire's destructive and constructive work; the encyclopedists; Rousseau's influence and theories of education; diffusion of the philosophical spirit. Collateral Readings. Junior Year, Classical Literary Courses, three hours a week.

4. ORIGINS OF FRENCH LITERATURE. Lectures: General view of the Sixteenth Century; comparison of the French and Italian Renaissance; the period of the Reformation; French language in the Sixteenth Century. Readings from contemporary literature: Balzac, Guizot, Daudet, Loti. Senior Year, Classical and Literary Courses, three hours a week.

Students who wish to begin French after entering College will be assigned to classes in the usual introductory work.

Department of German.

1. COMPARATIVE STUDY OF SCHILLER AND GOETHE. Ballads, dramas (Goetz, Wallenstein), prose works (Dichtung und Wahrheit, der dreissigjaehrige Krieg). Original essays and compositions. Freshman Year, three hours a week.

2. HISTORICAL DRAMAS (in conjunction with the work in history). Emilia Galotti, Kabale und Liebe, Don Carlos. Scheffel's Trompeter von Säckingen. Original essays and compositions. Sophomore Year, three hours a week.

3. GERMAN HISTORY AND LITERATURE OF THE NINETEENTH CENTURY. Lectures (in German), study of German works of reference, miscellaneous reading. Original essays and compositions. Junior Year, three hours a week.

4. **ELEMENTS OF MIDDLE-HIGH GERMAN** (Otis). Reading of selections from the *Nibelungenlied* and the *Minnesingers*—first half year. Lessing's *Nathan the Wise*, and Goethe's *Faust* (selections)—second half year. Lectures (in German). Original essays and compositions. Senior Year, three hours a week.

Students who wish to begin German after entering College will be assigned to classes in the usual introductory work.

Department of the Greek Language and Literature.

1. **ATTIC PROSE AUTHORS—SELECTIONS.** References: Dyer's *Apology* and *Crito*; Morgan's *Lysias*. Freshman Year, first semester, four hours a week.

2. **HOMER.** Later books of *Iliad*, selections, or *Odyssey*, V-VIII. References: Lawton's *Art and Humanity in Homer*; Perrin's *Odyssey*, V-VIII. Freshman Year, second semester, four hours a week.

3. **DRAMA.** One play each of *Æschylus*, *Sophocles*, *Euripides*, *Aristophanes*. Lectures. Sophomore Year, four hours a week.

4. **ATTIC PROSE.** *Thucydides*, *Plato*, *Demosthenes*, selections. References: Morris' *Thucydides*, I, Towle's *Protagoras*, Tarbell's *Demosthenes*. Junior Year, four hours a week.

5. **GENERAL HISTORY OF GREEK LITERATURE**, with readings from the less familiar authors. References: Jevons' *History of Greek Literature*, or Jebb's *Spirit of Greek Literature*. Senior Year, three hours a week.

Department of the Latin Language and Literature.

1. **HORACE.** Selected epodes and odes. Autobiographical extracts from the satires and epistles, Lectures on Augustan age and Horace's life. References: Sellar's *Roman Poets of the Augustan age*, Martin's *Horace*, Maclean's *Horace*. Freshman Year, Classical and Literary Courses, first semester, four hours a week.

2. **LIVY.** Books XXI-XXII, selections, or Books I-II, selections. Freshman Year, Classical and Literary Courses, second semester, four hours a week.

3. **SILVER LATIN.** *Juvenal*, *Pliny*, *Quintilian*, *Tacitus*, selections. Sophomore Year, Classical and Literary Courses, four hours a week.

4. **EARLY LATIN.** *Catullus* and *Lucretius*, selections. *Plautus* and *Terence*, one play each. References: Sellar's *Latin Poets of the Republic*, Merrill's *Catullus*, Kelsey's *Lucretius*. Junior Year, Classical and Literary Courses, four hours a week.

5. **LECTURES ON THE LIFE OF THE LATIN LANGUAGE AND LITERATURE**, with readings from less familiar authors and fragments of lost works. References: Cruttwell's or Tyrrell's *Latin Literature*, Merry's *Selections from Latin Poets*. Senior Year, Classical and Literary Courses, three hours a week.

Spanish and Italian.

Classes to acquire a practical knowledge of these languages or to study their literature can be formed as optional classes in place of any of the other modern languages in any year of the College Course. Such a class should consist of at least five students, and the choice of such an option must, as usual in such cases, receive the approval of the Faculty.

Department of History and Politics.

1. **MEDIAEVAL HISTORY:** The origins and development of feudal society and institutions, the political history of Central and Southern Europe to the close of the Thirty Years' War. References: Myers' Mediaeval History, Duruy's History of the Middle Ages, Emerton's Introduction to the Middle Ages and Mediaeval Europe, "Epochs of Modern History" Series. Freshman Year, Classical and Literary Courses, first semester, three hours a week.

2. **HISTORY OF THE RENAISSANCE:** A study of the social, religious and political issues in the age of the Renaissance, the fifteenth and sixteenth centuries. References: Bryce's Holy Roman Empire, Milman's Latin Christianity, Spalding's History of the Protestant Reformation, Haeussler's Period of the Reformation. Freshman Year, Classical and Literary Courses, second semester, three hours a week.

3. **ENGLISH HISTORY:** A study of political and social progress. References: Green's Shorter History of the English People, Macaulay's History, Lecky's England in the Eighteenth Century, McCarthy's History of Our Own Times. Sophomore Year, Classical and Literary Courses, first semester, three hours a week.

4. **HISTORY OF FRANCE,** from the age of Richelieu to the French Revolution. The Ancient Régime and its successor. References: S. R. Gardiner's Thirty Years' War, Duruy's History of France, Airy's The English Restoration and Louis XIV., Morris' The Age of Anne, Morris' The French Revolution and First Empire, Taine's Ancient Régime and Modern Régime, Kitchin's History of France. Sophomore, Classical and Literary, second semester, three hours.

5. **AMERICAN POLITICS:** A topical study of American history, with a comparison of political systems. References: Fiske's Beginnings of New England, and Critical Period of American History, Schouler's History, and Wilson's The State, Hart's Epoch Series, and Scribner's American History Series. Junior Scientific, first semester, three hours a week. Senior Year Classical and Literary, first semester, four hours a week.

6. **HISTORY OF THE NINETEENTH CENTURY:** Topical studies in modern history. The age of the establishment of parliamentary government and of racial consolidation. References: The International Statesmen Series, Müller's Political History of Recent Times, Andrews' Historical Development of Modern Europe. Senior Year, second semester, Classical and Literary Courses, four hours a week.

7. **HISTORY OF COMMERCE AND INDUSTRY:** A study of the history and development of traffic-routes, of changes in commercial supremacy, and of the peculiar characteristics of modern industrial civilization. References: Cunningham's *Growth of English Industry and Commerce*, Gibbins' *History of Commerce in Europe*, Toynbee's *The Industrial Revolution*, Ashley's *Introduction to English Economic History and Theory*. Senior Year, Scientific Course, three hours a week.

8. **HISTORY OF ART.** An examination into the rise and progress of Ancient and Classic Art and the evolution of the Fine Arts in modern times, illustrated by pictures, lantern slides and collateral readings. Chief reference: D'Anvers' *History of Art*. Sophomore Year, Literary Course, two hours a week.

9. **SOCIAL HISTORY.** The origin and growth of society as disclosed in the development of the family and of civil and religious institutions. Text-books: Tylor's *Anthropology* and Morris' *Aryan Race*, with readings from Lubbock, Tylor and Giddings. Junior Year, Classical and Literary Courses, first semester, three hours a week.

10. **ECONOMICS.** The subject is studied both theoretically and practically. The most important laws pertaining to production, distribution and exchange are examined and illustrated by the history of industrial life in England and in the United States. Written and oral discussions of economic and social problems are an essential part of the work. Principal text-book: Ely's *Economics*. Junior Year, all courses, second semester, three hours a week.

Department of Philosophy.

1. **LOGIC.** The formal study of the syllogism united with a variety of practical exercises taken from Jevons' *Studies* and other sources. Text-book: Jevons' *Lessons*. Junior Year, Classical and Literary Courses, beginning of first semester, three hours a week.

2. **PSYCHOLOGY.** Special reference to Attention, Association and Memory with experimental work. Text-book: James' *Psychology* (Briefer Course), supplemented by Titchener's *Outlines*. Junior Year, Classical and Literary Courses, second semester and part of first semester, three hours a week. This course is open to those who have had the Sophomore work in *Physiology* or its equivalent.

3. **HISTORY OF PHILOSOPHY.** Representative thinkers in both ancient and modern philosophy made subjects of special study with selected readings. Text-book: Weber's *Outlines* in connection with Watson's *Comte*, *Mill*, and *Spencer*. Senior Year, Classical and Literary Courses, first semester, three hours a week.

4. **ETHICS.** Discussion of various theories and their application to conduct. Text-books: Mackenzie's *Manual* and Sedgwick's *History of Ethics*. Menzies' *History of Religion* will be read as a part of the course. Senior Year, Classical and Literary Courses, second semester, three hours a week.

Department of Pedagogics.

1. GENERAL PSYCHOLOGY. Course No. 2 in the Department of Philosophy, *q. v.*

2. ELEMENTARY PSYCHOLOGY. Introduction to the study of psychology, for those who have not had Course 1. Text-book: Hallock's Psychology. First Year, Kindergarten Training Course, two hours a week.

3. PSYCHOLOGY. Special studies in psychology, especially adapted to the needs of teachers. References: Sully's Handbook of Psychology, James' Psychology (Briefer Course). Second Year, Kindergarten Training Course, two hours a week.

4. HISTORY AND THEORY OF EDUCATION. Readings in the history of pedagogical theory and practice with lectures and discussions. References: Volumes of International Educational Library, Compayré's History of Pedagogy, R. H. Quick's Educational Reformers, Sully's Psychology, Rosenkranz's Philosophy of Education, Painter's History of Education, Laurie's Life of Comenius. Two Years' Course, First and Second Years of the Kindergarten Training Course, each one hour a week.

5. FROEBEL'S PHILOSOPHY. Critical study of "The Education of Man" and of the Mutter- und Kose-lieder. Second Year of Training Course, one hour a week.

Department of Chemistry.

1. ELEMENTARY CHEMISTRY. (a) *Chemistry of the non-metals*: Classification; theory of chemical nomenclature; problems; laboratory manipulations. Text-book: Remsen's Chemistry. References: Roscoe and Schorlemmer's Chemistry. Second Year, Literary and Scientific, first semester, four hours per week; laboratory, two hours per week. Freshman Classical, first semester, three hours per week; laboratory, two hours per week. (b) *Chemistry of the metals*: Periodic law; methods of reduction; compounds. Text-book and references same as Course (a). Second Year, Scientific, second semester, four hours per week; laboratory, two hours per week. Freshman Literary, first semester, three hours per week; laboratory, two hours per week.

2. QUALITATIVE ANALYSIS. Tests for bases and acids; analyses of simple salts; analyses of complex mixtures and commercial products. Text-book: Prescott and Johnson's Qualitative Analysis. References: Fresenius' Qualitative Analysis, Elliott's Qualitative Analysis, Wells' Tables. Freshman Scientific, three hours per week; laboratory, three hours per week.

3. QUANTITATIVE ANALYSIS. Preliminary course on known substances of definite composition; practice in methods. General course on ores and commercial products; assays of gold, silver and lead ores; volumetric and electrolytic methods of analysis. Text-book: Cairns' Quantitative Analysis. References: Fresenius' Quantitative Analysis, Blair's Analysis of Iron Ores, Crookes' Select Methods, Sutton's Volumetric Analysis, Rickett's Notes

on Assaying. Sophomore Scientific, three hours per week ; laboratory, four hours per week.

4. ORGANIC CHEMISTRY. Methane derivatives ; benzene derivatives ; organic analysis ; laboratory practice in the preparation of organic substances. Text-book : Remsen's Organic Chemistry. References : Bernthsen's Organic Chemistry, Prescott's Organic Analysis, Blyth's Analysis of Foods, Wanklyn's Water Analysis. Junior Scientific, three hours per week ; laboratory, three hours per week.

5. TECHNICAL OR APPLIED CHEMISTRY. Processes for the manufacture of commercial products ; advanced methods of quantitative analysis ; food analysis. References : Wagner's Chemical Technology, Watts' Dictionary of Chemistry, Thorpe's Dictionary of Chemistry, Sadtler's Industrial Organic Chemistry, Blyth's Analysis of Foods. Senior Scientific, seven hours per week, lectures and laboratory.

Department of Mineralogy and Geology.

I. MINERALOGY AND BLOWPIPING. (a) *Crystallography* : Study of crystal models and natural crystals. First semester, first term, three hours per week. (b) *Blowpipe analysis* : Use of the blowpipe ; analysis of prepared mixtures. First semester, second term, three hours per week. (c) *Mineralogy* : Physical and chemical characteristics of common minerals ; determination of minerals ; second semester, three hours per week. Text-book : Moses' Mineralogy and Blowpiping. References : Plattner's Blowpipe Analysis, Williams' Crystallography, Dana's Mineralogy, Brush's Determinative Mineralogy. Freshman Scientific, three hours per week, as above ; laboratory, two hours per week.

2. GEOLOGY. General course ; dynamic, structural and historical. Text-book : Le Conte's Geology. References : Dana's Geology, Geikie's Geology, Winchell's Geologies. Senior, Classical, Literary and Scientific, first semester, three hours per week.

3. METALLURGY. Treatment of ores by furnace, wet and electrolytic methods. References : Bloxam's Metals, Phillips' Metallurgy, Turner's Metallurgies. Senior Scientific, first semester, three hours per week.

4. ECONOMIC GEOLOGY. Distribution and utilization of ore deposits, building stone, etc. Text-book ; Kemp's Ore Deposits of the U. S. Senior Scientific, second semester, three hours per week.

Department of Physics.

I. GENERAL COURSE. Properties of solids, liquids and gases, and the study of sound, heat, light and electricity : with text-book and lectures. Laboratory course accompanying and supplementing these. Reference books : Deschanel's, Ganot's and Barker's Physics, Sabine's Laboratory Course, Zahm's Sound and Music. Junior Year, Classical and Literary Courses, three hours a week.

2. **HEAT, LIGHT AND ELECTRICITY**, continuing and completing the elementary course from the third Sub-Collegiate Year, with laboratory work. Freshman Year, Scientific Course, three hours a week.

3. (a) **MECHANICS**. Reference Books: Deschanel, Vol. I; Wood's Mechanics, Sabine's Laboratory Course, with supplementary exercises, and lectures upon methods of experimenting. (b) **Meteorology**. Text-book: Waldo. Reference: Davies. Laboratory work in taking and reducing observations and in forecasting weather. Sophomore Year, Scientific Course, three hours a week.

4. (a) **HEAT AND THE STEAM ENGINE**. Reference books: Deschanel, Stewart, Kinealy. Junior Year, first semester, Scientific Course, three hours a week. (b) **Electricity**. Theory and Measurements. Reference books: S. P. Thompson, Stewart and Gee-Nichols. Junior Year, second semester, Scientific Course, four hours a week.

5. **TECHNICAL ELECTRICITY**. The dynamo, its structure and various forms. Motors, systems of lighting and transmission of power. Senior Year, Scientific Course, three hours a week.

6. **ASTRONOMY**. Descriptive, physical and historical by recitations and lectures, with study of constellations, and laboratory work on spectrum of sun. Reference books: Young's Astronomy, Clerke's History of Astronomy in the Nineteenth Century. Senior Year, Classical, Literary and Scientific Courses, first semester, three hours a week.

Department of Biology.

1. **GENERAL BIOLOGY**. The study of living matter and of its relations to lifeless matter. Protoplasm—The cell. Comparative study of animals and plants by means of a number of selected types, such as Amoeba, Paramœcium, Hydra, the earth worm, Protococcus, bacteria, yeast, Nitella, the fern. References: Sedgwick and Wilson's General Biology, Parker's Elementary Biology, Huxley and Martin. (a) Freshman Year, Classical and Literary Courses, first semester, three hours a week, with laboratory practice. Not given in 1897-98. (b) Junior Year, Scientific Course, three hours a week, with laboratory throughout the year.

2. **COMPARATIVE ANATOMY AND PHYSIOLOGY**. Dissection of Vertebrates. Comparative study of various organs. Embryology of the Chick.

ADVANCED PHYSIOLOGY. Careful study of the microscopic structure and mode of working of the tissues of the human body. Special attention given to the problems of metabolism, and to the development and physiology of the nervous system and its terminal organs. References: Foster's Physiology, Martin's Human Body. Sophomore Year. Literary Course, three hours a week, with laboratory practice.

3. **THEORETICAL BIOLOGY**. The history of Biological Discovery. The examination of philosophical problems of Biology, such as heredity, variations, animal metamorphoses, the origin of the individual, instinct and

intelligence. Readings and discussions of Darwin, Spencer, Romanes, Weismann and similar authorities. Senior Year, Literary Course, three hours a week.

Department of Mathematics.

1. ALGEBRA. The subjects usually treated are the binomial theorem, logarithms, permutations, combinations, chance, continued fractions, variables and limits, series, undetermined coefficients, general properties of equations, solution of numerical equations and the elementary operations with determinants. Text-book: Hall and Knight, revised by Sevenoak. Freshman Year, Classical and Literary (elective) Courses, thirteen weeks, four hours a week.

2. SOLID GEOMETRY. The usual demonstrative work, with frequent numerical applications. Text-book: Byerly's Chauvenet. Freshman Year, Classical and Literary (elective) Courses, eight weeks, four hours a week.

3. TRIGONOMETRY. The capacity to solve both plane and spherical triangles readily is required. Sufficient attention is also given to the analytical side of the subject. Text-book: Chauvenet's, for the development of the subject, and examples are chosen from various sources. Freshman Year, Classical and Literary (elective) Courses, fourteen weeks, four hours a week; Scientific Course, first semester, four hours a week.

4. ANALYTIC GEOMETRY. The equations of the straight line and conic sections are successively taken up, and afterwards the simpler propositions of higher plane curves and Solid Analytic Geometry are developed. Text-book: Bowser's Analytic Geometry, with references to C. Smith's Analytic Geometry. Sophomore Year, Classical Course and Scientific Course, twenty weeks, four hours a week; Literary (elective) Course, first semester, three hours a week.

5. THE DIFFERENTIAL AND INTEGRAL CALCULUS. The course will include simple and successive differentiation of functions, applications to expansion of functions, evaluation of indeterminate forms, curve tracing, evaluation of maxima and minima, finding areas and volumes of revolution, solutions of simple differential equations. Text-book: Osborne's Calculus will be used as a basis, with reference to Rice and Johnson's work, and Williamson's. Sophomore Year, fifteen weeks; and Junior Year, first semester, Classical and Scientific Courses, three hours a week; Literary (elective). Course, Sophomore Year, second semester, three hours a week.

6. DRAWING. Problems in projection drawing, plans and elevations of machine and architectural parts, isometric and orthographic constructions, plotting surveys and triangulations, lettering, topographical sketches, coloring and shading; blue prints of drawings are made. Freshman and Sophomore Years, Scientific Course, with a minimum course of two hours' laboratory work a week.

The development of the problems involving the principles of DESCRIPTIVE GEOMETRY, including shades, shadows and perspective, forms an integral part of the course in drawing during the Sophomore Year.

7. SURVEYING. The course includes the use and adjustment of the transit, level, etc., various practice surveys, recitations and lectures upon the principles of surveying, systematic records of data. Land surveys are made and checked, levels are run, and some topographical work is done. Certain trigonometrical problems, such as determining the distance of inaccessible points, finding the various parts of triangles, are solved from data derived by the student. The field work is done during the spring of the Freshman Year and the autumn of Sophomore Year. Text-book: The principles of surveying as found in Johnson will be used as a basis in both recitation and field work. Freshman Year, second semester, four to five hours a week. Sophomore Year, until November, practice in field work.

8. ADVANCED MATHEMATICAL OPTIONS. Under the usual conditions governing optional studies, elective courses may be obtained in Theory of Equations (Burnside and Panton), Solid Analytic Geometry, Determinants, Quaternions. Such courses are open to students who have completed the mathematical courses required in the classical or scientific courses.

CONSPECTUS OF COLLEGE COURSES.

Subject in the year 1897-98 to modifications made necessary by the recent extensions of the Academy Courses.

Classical, Fresh.	Weekly Recit's.	Literature, Fresh.	Weekly Recit's.	Scientific, Fresh.	Weekly Recit's.
Latin.	4	English.	3	Chemistry.	3
Greek.	4	2 Languages.	8	Min. and B. P.	3
Med. Hist. to 1648.	3	Med. Hist. to 1648 or		Physics.	3
Chem. and Biology.	3	Mathematics.	3	Trig., Surveying &	
Mathematics.	4	Chem. and Biology.	3	Mech. Drawing.	5
				Language.	4

Sophomore.

English.	3	English, 1st Sem.	4	Chemistry.	3
Latin.	4	English, 2d Sem.	2	Physics.	3
Greek.	4	2 Languages.	6	English.	3
Hist. of Eng., 1st Sem.	3	Hist. of Eng. 1st Sem.	3	Mathematics.	5
Hist. France, 2d Sem.		Hist. France, 2d Sem.		Language.	4
or Physiology.		Hist. of Art, 2d Sem.	2		
Mathematics.	4	Physiology.	3		

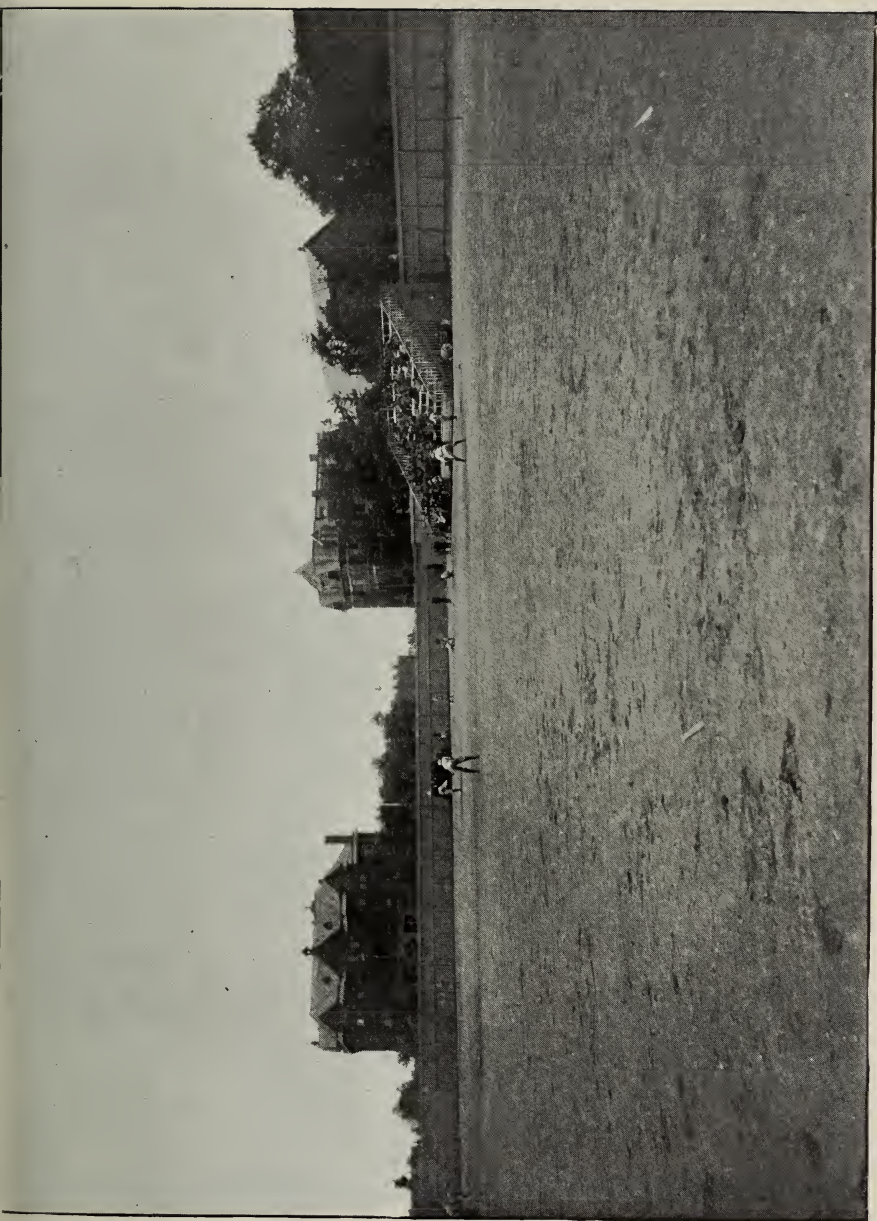
Junior.

English, 2d Sem.	3	English.	3	Chemistry.	3
Latin.	4	Languages.	4	Physics.	4
Greek or Mod. Lang.	4	Social Hist. and Pol.		Pol. Hist., Pol. Econ.	4
Logic and Psychol. or		Economy.	3	Gen. Biology.	3
Physics.	3	Logic and Psychol.	3	Mathematics.	4
Social Hist. and Pol.		Physics.	3		
Econ.	3				
Math., 1st Sem.	3				

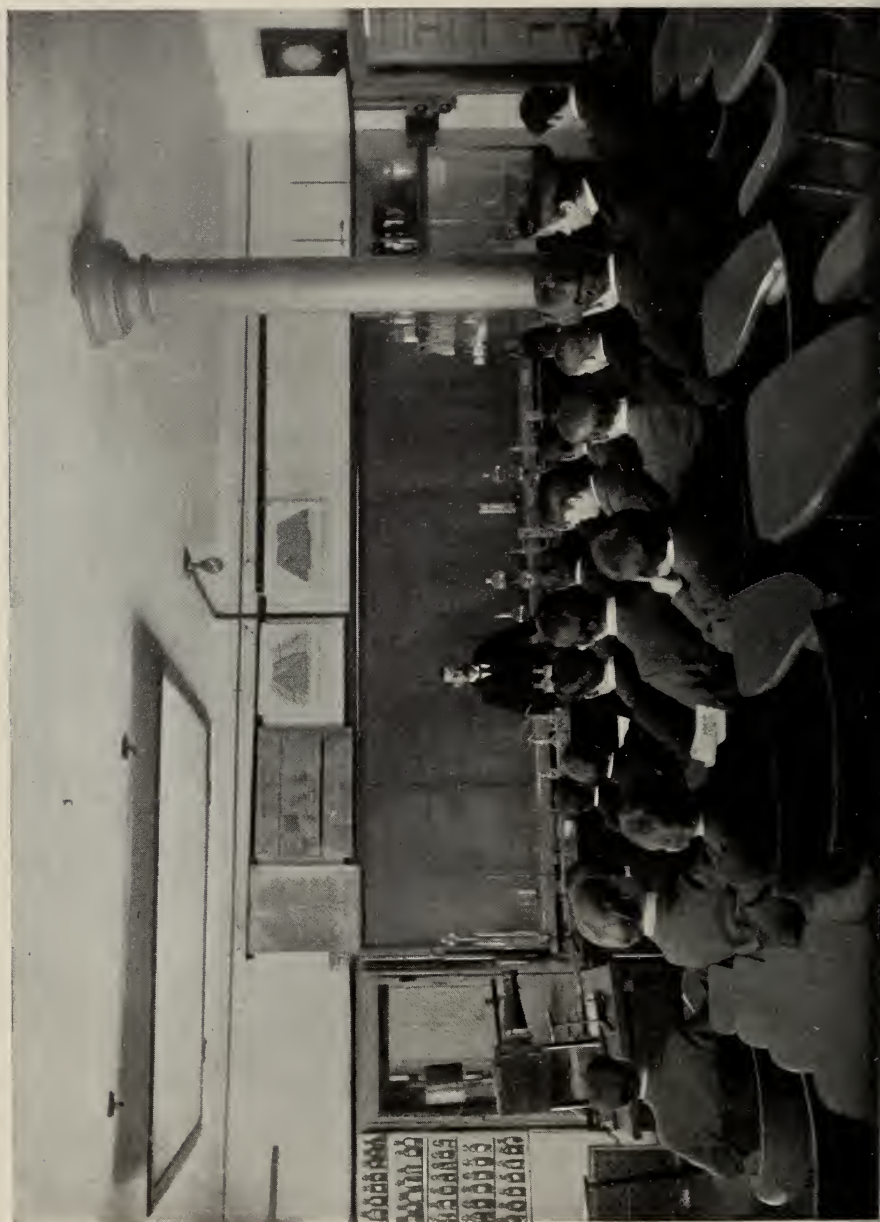
Senior.

Latin.	3				Opt. Opt.
Greek or Mod. Lang.	3				1st. 2d.
Am. Hist. & Politics,		Literature.	3	Tech. Chem.	7
1st Sem.		Language.	3	Metallurgy and Eco-	
Hist. of 19th Century,	4	Am. Hist. & Politics,		nomic Geol.	3
2d Sem.		1st Sem.	4	Elec. Technics.	7
Options—Two		Hist. of 19th Century,		Geol. and Astron.	3
options out of		2d Sem.		Hist. of Indus. and	3
these 4 must		Geol. and Astron. or		Commerce.	3
be chosen.		Biology.	3	Opt. Surveying, Ma-	
1. Geol. and	3	Philos. & Ethics.	3	chine Design.	3
Astron.					3
2. Biology.	3				
3. Litera-	3				
ture.					
4. Hist. of	3				
Philos. &					
Ethics.	3				

NOTE.—Senior students may be allowed to substitute for History or Language the courses in Pedagogics and History of Education offered in the Kindergarten Training Course.



THE ADELPHI FIELD.



EQUIPMENT.

I. Buildings.—The group of buildings now occupied by the College and the Academy fills the entire end of the block between Lafayette avenue and Clifton place, upon St. James place. Adelphi College is the name of the new building whose main entrance is on Clifton place. This handsome structure was erected in 1887-88, through the generosity of the late Mr. Charles Pratt, who was then President of the corporation. The central building is an assembly hall, 50 x 72 feet, with sittings for about a thousand persons. In the basement, extending across the whole block, is the gymnasium, occupying three large rooms and covering a space 200 x 50 feet. Convenient access to the buildings is provided by the Brooklyn Union Elevated R. R. (DeKalb or Greene Avenue Stations), or by the Greene, DeKalb, Franklin, Vanderbilt and Fulton electric cars.

The ventilation of all the buildings is complete and perfect. A large fan is placed in the upper part of each building, discharging air from a reservoir which receives ventilating flues from all the rooms. These fans are driven by electric motors from a dynamo connected with a forty horsepower engine. By this means the air in both buildings can be completely renewed at least once every half hour in the most unfavorable weather. The principal room in the gymnasium opens directly into the outer air by means of large skylights in the roof, so that these rooms are especially well lighted and ventilated.

The Adelphi provides accommodation for the clothing of pupils, and takes due precaution for the security of such articles, but it cannot be responsible for their safety.

II. The Library and Reading Room.—The Library now contains about seven thousand volumes. The librarian is in constant attendance, and there is a complete card catalog. Both library and reading-room are at the service of the students in all departments.

Among the principal periodicals on file in the reading-room are the following :

The American Agriculturist, Anthony's Photographic Bulletin, Popular Astronomy, The Atlantic Monthly, The Book Buyer, The Century Magazine, Child Garden, The Congressional Record, The Contemporary Review, The Cosmopolitan, Education, The Educational Review, The Fortnightly Review, The Forum, The Geographical Journal, Harper's Magazine, Harper's Weekly, Harvard Graduates' Magazine, The Illustrated London News, The Journal of Education, The Kindergarten Magazine, Kindergarten News, The Magazine of Art, The Nineteenth Century, Outing, The Popular Science Monthly, Power, The Review of Reviews, The School Bulletin, The School Review, Science, The Scientific American and Supplement, Scribner's Magazine, The Yale Review, The Youth's Companion.

III. The Gymnasium and Playing Field.—The gymnasium is in charge of a Director, who is a physician, and of a lady assistant, who is especially charged with the conduct of the girls' classes. The calisthenium is a spacious room provided with a piano, and with the usual equipment of wands, clubs and bells. The remaining space, besides dressing-rooms, bath-room and offices, contains two large rooms well supplied with all modern apparatus. In these rooms are found hand-ball courts and a basket-ball field; chest weights, back and loin attachments; intercostal machines, traveling parallels and a quarter circle; a set of Swedish apparatus and of climbing apparatus; twelve-pound shots and hammers, with vaulting apparatus; a full equipment for anthropometric work, and all the best appliances for gymnastic exercises, including rings, bars, horses, parallels, ladders, mattresses and trapeze.

The playing field, which is now in the possession of the Academy, is situated near Classon Avenue, between Park Place and Prospect Place. It is near the Franklin Avenue, Bergen Street and Vanderbilt Avenue line of cars, and is about twelve minutes' walk from the Academy. It contains ball fields, tennis courts, running tracks and a grand stand, with seats for two hundred and fifty persons. Underneath the grand stand are dressing-rooms, with lockers and bath-rooms. The carriage entrance to the field is on Prospect Place. The ordinary entrance is on Park Place, near Classon Avenue.

IV. The Chemical Lecture Room and Laboratories.—The *Chemical Department* occupies nearly all of the fourth floor of the College Building, and in completeness of equipment ranks with the best among the higher educational institutions of the State. The *Lecture Room* is large and well lighted, and has seats for eighty students. It is provided with a complete system of electric lighting and means for using the electric current for many lecture experiments. One of the important features of the equipment is a specially constructed electric projecting lantern of 2,000 candle-power, with attachments for horizontal, vertical and side projection and special apparatus for the projection of microscopic objects. Adjoining the lecture room is the *professor's office* and cabinets for storing the apparatus used in the lectures, as well as the more delicate and accurate analytic apparatus, among which may be mentioned complete apparatus for the rapid analysis of gases, graduated apparatus for volumetric analysis, platinum and silverware for quantitative analysis, and special glassware for organic analysis. The *Main Laboratory* provides separate desks for seventy-two students, each desk supplied with gas and running water, and a full set of chemicals and apparatus for experimental work. All experiments involving the production of disagreeable gases or fumes are performed in closets directly connected with the main ventilating flues of the building, and in addition to this, each laboratory is ventilated by independent electric fans. Two small dark rooms equipped for spectroscopic analysis form a part



IN THE PHYSICAL LECTURE ROOM; THE X RAY APPARATUS.



of the main laboratory. The *Quantitative Laboratory* provides accommodation for thirty-two students. Its general equipment is similar to that of the main laboratory. The *Assay Laboratory* provides working desks for twenty-four students, and contains complete apparatus for the mechanical preparation of ores for assay. There are two muffle furnaces, two crucible furnaces and one cupelling furnace, all heated by gas. Two automatic stills in this room supply the distilled water for use in all the laboratories. The *Weighing Room* contains three Becker analytic balances, one Sartorius short-beam balance for heavy apparatus in organic analysis, one Becker short-beam assay balance, one ore balance, one bullion balance and one Westphal specific gravity balance, a complete equipment for all kinds of exact chemical work. The *Blowpipe Laboratory* contains the mineralogical collections, which are always open to the students for examination and comparison. The working tables are arranged for twenty-four students. A supply room contains a store of extra apparatus from which the students can obtain all the material they require in their experimental work. This room is arranged for use as a photographic dark room, with complete apparatus for making lantern slides, including a fine copying, enlarging and reducing camera, and complete equipment for electric illumination, rendering it possible to do photographic work at all times without dependence upon sunlight.

V. The Physical Laboratories.—The laboratories for Physics are well arranged for their special use. The equipment is already large. A clock, beating seconds, gives electrical signals in all the rooms. There is a bench with tools for both wood and metal work, and an engine lathe driven by an electric motor. For accurate measurement there are vernier and micrometer gauges, a spherometer, good balances and a Koenig's tuning-fork chronograph. There are also a large air pump with accessories, an Atwood's machine, and much apparatus to demonstrate the laws of force and motion. There is a complete set of meteorological instruments, with which a daily record is kept.

For heat measurements there are calorimeters, thermometers, and a thermopile. The sound apparatus includes sonometers, a set of Koenig's forks, an apparatus for demonstrating the timbre of sounds by manometric flames, organ pipes, and tubes for measuring wave length.

In optics the equipment includes a Browning spectroscope with two prisms, a Rutherford diffraction grating, a spectrometer, a Bunsen photometer complete with candle balance, wet meter Methven screen and Standard A1 and gas burner, apparatus for producing the spectra of metals by the electric arc, Nicol's prisms and apparatus for illustrating the polarization of light, compound microscopes and facilities for measuring the focal lengths of lenses and mirrors.

Among the electrical instruments may be enumerated batteries of various types, a reflecting Thomson's galvanometer of six thousand ohms, a Wheatstone's bridge of twenty-one thousand ohms, various resistance

boxes, a D'Arsonval horizontal magnet galvanometer with both ordinary and ballistic coils, several forms of astatic needle and tangent galvanometers, an Elliott condenser, Mascart electrometer, Weston voltmeter and ammeter, Carhart-Clark cell, large Ruhmkorff coil, Toepler machine, besides other forms of galvanometers and bridges, and much general apparatus. The apparatus provides for practicing the various modes of measuring current, potential and resistance.

There is an electric lighting and power plant, consisting of a 40 horse-power engine, a 250-light U. S. direct current dynamo, and three U. S. motors. During the hours of session these furnish current in the lecture-room and laboratories, and drive the ventilating fans. At other times connection is had with the Edison 3-wire system, giving a constant potential of 230 volts.

The department is provided with a good photographic outfit, a $6\frac{1}{2} \times 8\frac{1}{2}$ camera with a Dallmeyer lens, a 10×12 copying camera, and a dark room well ventilated and lighted by the electric light, equipped with every necessary appliance.

The lecture-room, with a seating capacity of one hundred, is on the south side of the building, and has all the approved arrangements for its special use. It is darkened by shutters sliding from the walls. The sunlight, the calcium or the electric light may be used for projection or experiment.

The lantern is provided with vertical attachment, polarizing elbow and microscope, and there is a large set of objects for projection. Colt's electric arc lamp has recently been added to it. Wires connect it with the lecture table, so that electrical experiments performed there may be projected on the screen. Several thousand lantern slides are used here each year in illustrating geography and history to the Academic classes studying those subjects.

Among recent additions to the apparatus are a D'Arsonval galvanometer, a spectrometer, an electric lamp for the lantern, calorimeters, a sonometer, vernier gauges, balances, a tangent galvanometer, an astatic needle galvanometer, a Wheatstone's wire bridge, a deflection magnetometer, etc., and apparatus for measuring vocal length and magnifying power of lenses and mirrors.

VI. The Biological Laboratories and Collections for use in Teaching Natural History.—The Biological Laboratories and Lecture-room are adjacent to the Chemical Laboratory. The Biological Laboratories are two in number, and are well provided with facilities for botanical and zoölogical study, including dissecting and compound microscopes, a herbarium, mounting apparatus and various reagents.

For the use of classes in Zoölogy and Physiology there is a fine collection of type vertebrate skeletons, prepared by Prof. H. A. Ward, of Rochester; a human skull with the bones all separated; two human

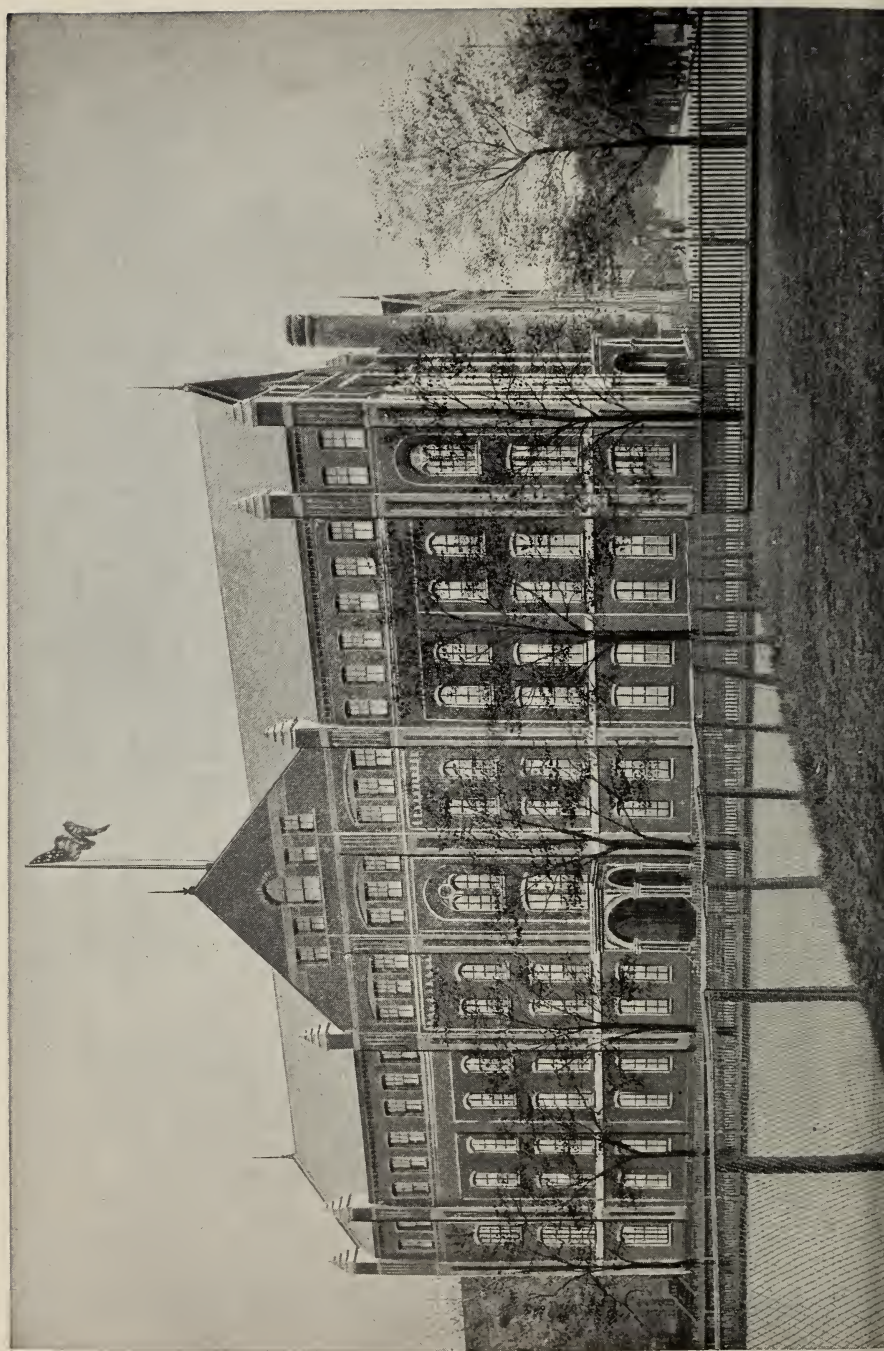
skeletons, one mounted and one disarticulated ; plaster and papier-maché models of different parts of the human body ; charts and manikins.

The Geological collection includes the representative fossils of all the formations, and also large collections of the different kinds of rocks.

The Mineralogical collection contains about two thousand specimens, including examples of all the common minerals and ores. A small set of models of crystals forms a part of this collection.

VII. The Mathematical Laboratory.—The equipment for surveying includes a complete Engineer's Transit (Buff & Berger), a Surveyor's Transit (Pike & Sons), a Y Level (Heller & Brightly), New York and Boston rods, self-reading rod for telemeter work, and the usual pins, tapes, flags, ranging poles, etc. The mechanical drawing-room is large and well lighted and fully supplied with cabinets, shelves, and the necessary desk room. There is a large collection of geometric models and machine types. There are many large photographs of locomotive and stationary engines, besides numerous blue prints and detail drawings of a large array of machinery.

VIII. The Studios. See Art Department.



THE ADELPHI ACADEMY.

I. Departments of the Academy.—The Adelphi Academy provides the means for a thorough and systematic education from the very beginning of school life to the time when the student is either equipped for the active work of the larger world outside of school walls, or is ready to enter upon the special training of university studies. The Academy intends, therefore, to present a complete school system in one group of buildings, and consequently to give its students the impress of a uniform educational policy and of an unbroken educational development.

There are seven divisions of the Academy : The Kindergarten and Primary Department, the Grammar Department, the Sub-Collegiate Department, the Collegiate Department, the Kindergarten Training-Class, the Art Department and the Department of Physical Culture.

The Kindergarten Course may extend through three years. It forms an admirable preparation for the work of the primary grades. A training-class for teachers, strictly limited in numbers, is maintained in connection with the Kindergarten. Into the Kindergarten itself children who are four years old may be admitted. They have careful attention from the time of reaching the building until they leave, and are trained by the most approved methods. They are kept quite separate from the main body of students. The hours of session are from 9 A.M. to 12 M. Parents of the pupils are at all times welcome to the Kindergarten rooms. Other visitors are requested to apply for admission in the Bursar's office.

The Primary and Grammar Departments comprise eight classes, or grades, each one year in duration. Pupils may be admitted to the Primary Department who have attained the age of six years. The first four years of study form the Primary Department.

Manual Training and either German or French are offered in this department. The last four years comprise the usual grammar-school course. Latin may be begun in the third year of the latter course. Rooms and hours of the school session in this department are arranged, as far as possible, so that pupils of the four primary grades may not come in contact with other classes.

The Sub-Collegiate Department continues the more advanced preparatory school work which has been begun in the Seventh Grade of the Grammar Department, and carries it through three years up to the entrance to the Collegiate Department. At the beginning of the First Sub-Collegiate year the student may select any one of three courses, viz. : the Classical Course, the Literary Course and the Scientific Course. Each one of these courses offers its own appropriate curriculum up to and through the College Course to a baccalaureate degree.

In the Sub-Collegiate Department the Classical Course affords a thorough preparation for Adelphi or any other college; the Literary Course offers a comprehensive, liberal training suitable for a general education or for preparation for professional schools; the Scientific Course prepares for a business career or for admission to the Adelphi College Scientific Course, or to any scientific or technical school.

The Collegiate Department of the Academy, as distinct from the College, comprises two years of study in any one of these three courses. These two years, called the Fourth and Fifth, respectively, are, as a rule, identical with the Freshman and Sophomore years of the Adelphi College curriculum. Elective studies may be chosen in any of these courses, subject to the approval of the Faculty.

The diploma of the Academy is given to every student who completes any one of these prescribed courses to the end of the Fifth, or Sophomore Year. If any regular student in the Sub-Collegiate Department prepares there for another college or university, the diploma of the Academy may be granted to him or her in due course upon evidence that an equivalent of the remaining work in the Adelphi curriculum has been satisfactorily performed in the class-rooms of such a college or university.



MINERALOGICAL LABORATORY.



The Kindergarten Training-Class offers a two-years' course of study to a limited number of persons who may wish to fit themselves for the calling of a Kindergartner under exceptionally favorable circumstances.

In the Art Department students may follow any special lines of art work, under most advantageous conditions of light and space.

The Department of Physical Culture offers facilities for outdoor and indoor exercise of all kinds and grades. From the beginning of the Adelphi Academy this Department has performed an important and prominent work in it. The privileges of this Department are extended to all students in the Academy. All students as far as the end of the Sixth Grammar Grade are required to join Calisthenic classes. All students above that grade may enter the Gymnastic classes.

II. Admission of Students.—Applications for admission should be made on June 9, 1897, or on September 15, 16 and 17, 1897. at the Academy. Admission at any time is granted to those who can show evidence of ability to take up the work of any class. There are no formal examinations for admission. Newly admitted students are finally graded by the evidence of their daily work in class during the weeks immediately following their admission. Pupils from any other schools applying for admission to the Adelphi Academy should, if possible, present records of rank and latest promotion in the schools which they have been attending.

Persons who wish to enter the Adelphi for the purpose of studying special subjects must give satisfactory evidence of ability to pursue such studies, and must conform to all rules of order prescribed for those in the regular courses. The privilege of pursuing special subjects will be withdrawn from all who fail to comply with such regulations.

III. Attendance and Discipline.—In order to form systematic business-like habits and to make the most of the time devoted to education, pupils are required to be regular and punctual in attendance and in all school duties. A teacher cannot be responsible for the backwardness of those students who allow trifling causes to interfere with their attendance. It is also particularly desirable that the pupils should not lose time during the first few weeks of the school year and at its end. A fortnight more of vacation in Autumn or Spring cannot often be worth the risk of falling behind in studies.

Pupils who have been absent or tardy are expected to state the reason therefor promptly to the teacher in charge of the room. If no reason for absence or tardiness is known to the teacher, or the reason given seems insufficient, notice of such absence or tardiness is sent home. Written excuses signed by the parent are not necessary unless specially requested. It is only desired that parents should know the testimony of the roll books, and should coöperate with the teachers in correcting any possible carelessness or delinquency. Students who persist in wrong conduct, or who fail in diligence, will be carefully and kindly warned of the consequences of wrongdoing or of indolence. Parents will also be notified of such deficiencies by the periodical reports or by special information. Students who are disobedient or wilfully inattentive after warnings, will be excluded from the Academy.

Every student in the Academy is assigned to a teacher who exercises careful and constant supervision. In the Sub-Collegiate and Collegiate Departments such teachers are called "Class-Advisers."

It is hoped that parents will become acquainted with the teachers who have charge of their children. It is particularly desired that parents should keep the Principal and the class officers in the Faculty informed concerning the nature and extent of the pupil's home study. At the close of each daily session there is opportunity for conference between parents and teachers, but such interviews should not occur during the school session.

Time is allowed in every class for some daily study in school hours. Teachers will remain after the close of a day's session for the purpose of aiding those who deserve and need help. Members of the more advanced classes are expected to study at home daily from one to two and one-half hours, according to age and capacity. Every student who is able to pursue a regular course of study is expected to do so.

IV. Records of Rank.—For the students below the Collegiate Department of the Academy reports are made monthly to the parents, showing the scholarship, punctuality and conduct of each pupil. Parents are requested to examine these reports regularly, sign them promptly, and return them to the Academy. A half-yearly estimate based upon these reports is kept as a permanent record. In the Collegiate Department similar reports are prepared and sent home at any time if the Faculty orders it, or if the parent requests it.

The reports of class-work, which are presented to the Faculties weekly throughout the year, are made the basis of the final record of scholarship in any subject. Formal examinations at the end of work upon any subject are given only to students who have been absent from the class for some portion of the time and to those who have been delinquent.

Students who fail to do satisfactory work may, at the direction of the

Faculty, be required to discontinue a study at any time, to make up deficiencies after the close of the school year if possible, and to present themselves for "Condition Examinations" in June or September. The promotion of each student from one year to another is determined by the Faculty of the department or grade to which the student belongs.

V. Honors, Scholarships and Prizes.—Students in the Academy above the Primary Department, pursuing a regular course of study, who have a record of highly creditable work and of constant attendance, and whose conduct has been satisfactory, will receive honorary certificates at the close of the year.

The "Charles Pratt Scholarship," the "Hayden W. Wheeler Scholarship," the "E. F. de Selding Scholarship," the "W. S. Woodward Scholarship," and the "Harold Dollner Scholarship," are given annually to such fit persons as may be nominated by the President of the Board, Hayden W. Wheeler, E. F. de Selding, Mrs. W. S. Woodward, and the Treasurer of the Board, respectively.

Candidates for said scholarships must have attained the age of fourteen years, or, if under fourteen years of age, must prove, upon examination by the Principal, well qualified to enter the First Sub-Collegiate Class of the Adelphi Academy.

Scholarships will be renewed to those only who attain a high standard in their work.

Scholars whose record has been and is entirely satisfactory, but who find themselves prevented by lack of means from continuing their education, are invited to consult with the Principal concerning the possibility of making such arrangements as will enable them to go on with their studies. So far as the resources of the Academy may permit, it is the intention to extend a helping hand to every worthy student who may need assistance.

By gift from Charles Pratt, the income of \$1,000 is applied annually to prizes for improvement in penmanship. These prizes are open to students on full course in all departments.

The same benefactor also established a fund to encourage good reading and elocution. The income is applied to awards for those who have made the most improvement during the year, and also to the providing of new matter for supplementary reading.

VI. Certificates for Admission to College.—Colleges and universities which admit students upon certificate will accept the certificates of the Adelphi Academy. Among the institutions with which the Academy is thus related are the following: Amherst College, Cornell University, Mt. Holyoke College, Smith College, Vassar College, Wellesley College, Wesleyan University, Williams College and the Woman's College of Baltimore.

CONSPICUOUS OF STUDIES.

THE KINDERGARTEN.

1. The Songs and Games of the Kindergarten introduce the study of Natural Science, stimulating the imagination, developing a sympathy with nature, and suggesting the highest ideals in thought and action.
 2. The Gifts form the basis of Mathematical Science, illustrating the solid, surface, line and point. The pupil acquires from the Gifts a knowledge of geometric forms and different combinations of number.
 3. The Occupations apply to the principles that underlie the Gifts and cultivate a taste for the beautiful in form and color, training the eye and hand to work in unison with the mind; learning comes by doing. Color music is used, including also exercises in breathing.
- The Kindergarten training seeks to develop inventiveness, thoroughness, sympathy and generosity, power of concentration and power of language and reason. The right beginning is half the battle.

THE PRIMARY DEPARTMENT.

A transition year for pupils who are not yet mature enough for the tasks of the first primary grade. Pupils learn to read and write and receive instruction in elementary number work. In addition there is advanced kindergarten work in drawing, modeling, and observation lessons.

I. Language.		II. Geography and History.	III. Science Study.	IV. Number Work.
<i>Two Years' Course.</i> Sessions 9 to 12 o'clock.	1. English Words and Sentences. Phonic Analysis. Story Telling. Script Readers. Spelling, 15 periods a week	Natural Features, Stories and Conversation; included in (1).	Color. Outline. Size. Divisions: Mineral, Vegetable, Animal. The Succession of Seasons. Weather. 4 periods a week.	Numeration. The Four Fundamentals. Units of Measure. Weight, Space, United States Money. Fractional Parts. 7 periods a week.
	1. English.—As before. Nature Readers. Spelling and Punctuation. 10 periods a w'k. 2 French or German.—Conversation. 5 periods a week.	Points of Compass, facts of Climate, the world, and its hemispheres. Physical Geography of the continents begun with North America. 4 periods a week. Stories of typical characters; included in (1).	Talks upon Climate and the Care of the Human Body. 2 periods a week.	As before. 6 periods a week.
<i>Intermediate Year.</i> Sessions 9 to 12 o'clock.	1. English.—Spelling, Written and Oral. Nature Readers. Geography Readers. History Readers. Hyde No. 1. 9 periods a week 2. French or German.—Conversation and Reading. 4 periods a week.	Complete foregoing study of continents. Study of United States begun. Geography Readers. 4 periods a week. Reading books in American History.	Elementary Science and Natural History. Flora and Fauna of United States. 2 periods a week.	As before, to the beginning of the development of Fractions. 6 periods a week.

Penmanship, Singing, Drawing and Manual Training, Calisthenics in each grade, all together, from 7 to 10 periods per week.

It should be remembered that the modern language chosen in the 4d Grade shall be continued to the end of the Grammar Department, or until

THE GRAMMAR DEPARTMENT.

	I. Language.	II. Geography and History.	III. Science Study.	IV. Mathematics.
<i>4th Grade.</i> Sessions 8:50 to 12 and 1 to 2:30. Periods on 40 minute basis.	1. English.—Hyde No. 2, Oral and Written Exercise, Spelling. Readers as before. 9 periods a week. 2. French or German.—4 periods a week.	Political and Descriptive of North and South America. 4 periods a week. Readings in American History.	Zoölogy and Botany of America. 2 periods a week.	As before, Fractions, Factoring, Decimals, Compound Quantities. 5 periods a week.
<i>5th Grade.</i> Sessions and periods as above.	1. English.—Hyde No. 2, Grammatical Structure, Spelling, Abstracts of Reading, Composition. Read as before. 8 periods a week. 2. French or German.—4 periods a week. French is not given in 1897-98.	Europe and Asia. 4 periods a week. Historical Readers included in (1). General History.	Zoölogy and Botany of Europe and Asia. 2 periods a week.	Decimals, Percentage. 5 periods a week.
<i>6th Grade.</i> Sessions 8:50 to 12 and 1 to 2:40. Periods as above.	1. English.—Read as before. Grammar, Analysis of sentences. 5 periods a week. 2. German.—4 periods a week. 3. French.—4 periods a week. 4. Latin.—Oral practice. Scudder's Lesson book. 5 periods a week. Of 2, 3 and 4, one should be chosen.	Asia, Africa, Australia, Polynesia. 4 periods a week. History of the English race. Historical Readers included in (1).	Zoölogy and Botany of Asia, Africa and Australasia. 2 periods a week.	Percentage, Review. 5 periods a week.
<i>7th Grade.</i> Sessions and periods as above.	1. English.—Grammar, Etymology, Selected Literature, Compositions. 5 periods a week. 2. German.—4 periods a week. 3. French.—4 periods a week. 4. Latin.—5 periods a week. Of 2, 3 and 4, one should be chosen.	History of the English race. 4 periods a week. Geography. Reviews. 1st Semester. 4 periods a week.	Physical Geography with the Geog. Reviews, 1st Semester. Physiology and Hygiene, 2d Semester. 4 periods a week.	Arithmetic Completed, with Reviews and Elementary Algebra. 5 periods a week. Bookkeeping optional.

Singing and calisthenics required to end of 6th Grade. 7th Grade pupils regularly admitted to afternoon Gymnasium classes. Drawing and Manual Training required to end of 5th Grade; afterward choice required between Free-hand Drawing and Bench-Work with Wood-Carving. Penmanship and Elocution required in all grades.

SUB-COLLEGIATE DEPARTMENT.

First Year.

Classical Course.	Weekly Recit. Periods.	Literary Course.	Weekly Recit. Periods	Scientific Course.	Weekly Recit. Periods.
English.	3	English.	3	English.	3
Class. Languages.	8	2 Languages.	7	2 Languages.	7
Algebra.	4	Algebra.	4	Algebra.	4
Ancient History.	3	Ancient History.	3	Ancient History.	3
		In 1897, Physiology 1st Sem.		In 1897, Physiology 1st Sem.	

Second Year.

English.	3	English.	3	English.	3
*Modern Language.	3	Botany, 2d Sem.;		2 Languages.	6
Class. Languages.	8	Chem., 1st Sem.	4	Geometry.	5
Geometry.	4	2 Languages.	7	Chemistry.	4
*In 1897-98, Anc. Hist.		Geometry.	3		

Third Year.

English.	3	English.	3	English.	3
Class. Languages.	8	2 Languages.	7	Language.	3
Modern Language.	4	*Math. Review & Zool.	3	Mathematics.	5
Mathematics.	3	†Physics and Civics.	4	Am. Hist. and Civics.	3
		*In 1897-98, Botany.		Physics.	4
		†In 1898-99, Anc. Hist.			

COLLEGIATE DEPARTMENT.

The Fourth and Fifth Years are usually the same as Freshman and Sophomore Years in the Adelphi College curriculum, *q. v.*, p. 30. It is, however, of course understood that no student may pass from the Third Sub-Collegiate Year into the Freshman Class unless the entrance requirements have been satisfactorily met during the regular course of study or by successfully passing the stated entrance examinations.

THE ADELPHI TRAINING CLASS FOR KINDERGARTNERS.

The Adelphi training class combines the advantages of practice in the excellent Kindergarten of the Academy with the same instruction in art, science, music, physical culture, psychology, pedagogics and history that is offered to the College classes. The course extends through two years. Candidates for admission must be at least eighteen years of age, must have had either a high-school training or its equivalent, and must satisfy the Director that they are competent to study kindergartening with prospect of success. Students who complete the full course and give satisfactory proof of proficiency and ability will receive a diploma certifying to their attainments.

Course of Study for the Kindergarten Training Class.

1st Year.	2d Year.
The First Six Kindergarten Gifts. Clay Modeling, } Paper Folding, } Kindergarten Parquetry, } Occupations. Mat Weaving, } Sewing. } Elementary Psychology. Free-Hand Drawing and Color Work. History and Theory of Education. Lectures on the History of Art (optional). Kindergarten Drawing, Music—voice culture. Zoölogy and Botany. Physical Culture.	The Last Seven Kindergarten Gifts. Slat Interlacing, } Paper Interlacing, } Kindergarten Paper Cutting, } Occupations. Peas Work, } Card Modeling, } Coloring. } Lectures on the History of Art (optional). Music—voice culture. Physical Culture. Study of Froebel's "Education of Man." Mutter und Kose-Lieder. Theory and History of Education. Psychology.

Candidates for admission who cannot present the required certificates must be prepared to pass examinations in the following subjects: English (Grammar, Rhetoric and Literature—the college entrance requirements for the year or their equivalent), General History, Physiology, Plane Geometry and Free-Hand Drawing.

Candidates may present themselves for examination in either June or September at the time of Adelphi College entrance examinations, as stated in the College calendar. Applications for admission to these examinations should be made at least one week before the date of the examinations to

"THE DIRECTOR OF THE KINDERGARTEN,
"Adelphi Academy,
"Brooklyn, N. Y."

Terms: The fee for instruction in the Kindergarten Training Class is \$100 per annum. There are no extra charges.

THE ART DEPARTMENT.

Drawing is rightly a part of the education of every man and woman. A knowledge of it may always be turned to account, especially in these days when there is so large a demand for decorative work and applied art. There is no other study, regarded in the light of training, that so inculcates the power and habit of observation, that so fosters accuracy, or tends more surely to correct those errors of sight, and incidentally of judgment, that arise from inapt seeing. Nor does any study prove to be of greater service to the student in after life, even though he pursues a vocation that is far removed from art. Pictures are the universal language, and the ability to make them, slight though it may be, is one that confers a distinct practical advantage on the individual, while it is of yet higher service in purifying his pleasures and raising the standard of his tastes.

Drawing has a place in every year of the curriculum of the Academy. In the primary grades it has a solid basis in the manual training course, with which it is properly joined. The manual training workrooms are two in number, one for younger pupils and one for students who are old enough for bench work and carving. In the higher grammar grades and in the collegiate department free-hand drawing may be continuously studied, either as required or optional work. In addition to the facilities offered to the students in the regular courses of study, every possible advantage is secured to those who wish to devote themselves exclusively to the study of art.

The whole of the upper story of the Collegiate Building is devoted to the Art Department. There is a spacious studio which is furnished with full and half-sized statues, large and small torsos, busts, masks, and reliefs. There is also a large room for classes in drawing and painting from life. Besides, there are three rooms: for modeling, the making of casts, and for the use of small classes.

The special scholar entering the Art Department is independent of the academic branches of the school, and there are no restrictions as to age. One may choose, according to predilection or ability, between the antique, still life, portrait, figure, charcoal, pastel, oil and water color, or he may include all in his studies for which he finds time.

Students in this Department are admitted to all the privileges of the College Library and Reading-room.

It is hardly needful to cite the success which has come to many of our painters, sculptors and illustrators from the training and criticism they received in this school. It is enough merely to name among its graduates such well-known artists as William Ordway Partridge, Frank M. Boggs, Wilson De Meza, Albert P. Lucas, Orrin W. Simons, Harry Roseland, Hugh Eaton, W. E. Plympton, Phoebe Bunker, Eleanor Bannister, Mrs. G. D. Stearns, Gerald L. Steenks, Carrie L. Carter, Mrs. A. W. Bailey, M. R. Dixon, Alice Lovett, C. A. Burlingame and Joseph H. Boston.



THE LIFE CLASS.



A STATEMENT OF FACTS ABOUT THE ADELPHI.

In the Adelphi about sixty teachers are employed. This makes it possible to divide classes into small sections and to give close individual attention to each pupil.

Co-education preserves and develops the moral restraints and natural training of the home life.

Each student is especially assigned to one teacher for supervision.

Students who are ahead of their class in any study may enter an advanced class in such studies.

The curriculum extends from the kindergarten to the college, affording an opportunity for unbroken scholastic progress. It offers to the pupil the best educational preparation for immediate entrance into business, social or professional life. New students are admitted at any time.

The French and German languages may be acquired conversationally in the primary grades, and may be studied continuously to the end of the course. Latin may be studied for seven years, Greek, for five.

The biological course of study affords exceptional advantages to young women, and also to all students who intend to enter the medical profession.

Manual training is required in conjunction with drawing in the lower grades, and is also optional for students in all other classes.

Promotions in the Academy are determined by the daily record of the student. There are no formal examinations for admission or promotion, except for students who have for any reason become deficient.

The Studio affords unusual facilities for the study of drawing and painting. There is an excellent training course for kindergartners.

Students are admitted to college upon certificate and are fully prepared for any college or university in the country. The Adelphi College degree (B.A. or B.S.) is awarded in the name of the University of the State. This is the only classical B.A. course (unsectarian) in Brooklyn, and the only Brooklyn curriculum which offers collegiate degrees to women.

Students who enter college as soon as prepared may nevertheless receive the Adelphi diploma with their respective classes.

The library (containing nearly 7,000 volumes) and the reading room are open to all students. The library is the laboratory for students of history and literature.

The scientific laboratories, manual training work rooms and art studio are completely equipped. Inspection is invited. All science study involves individual experiment in the laboratories.

The buildings are admirably ventilated. There is a spacious gymnasium and a completely equipped playing field.

A restaurant, well managed and conveniently situated, provides luncheons that are warm and nourishing.

STUDENTS' ORGANIZATIONS.

1. THE ADELPHI COLLEGE STUDENTS' ASSOCIATION FOR SELF-GOVERNMENT.—This Association controls the internal administration of the Girls' Study Room in Adelphi College, and of the body of undergraduate College students who have seats in that room. *Officers*: President, Mary Casamajor, '99; Vice-President, Clara A. Pfeiffer, '00; Secretary, Mabel E. Munson, '99; Treasurer, Emma Jessie Ogg, '00; Executive Committee, Elizabeth B. Kelsey, '98; Margaret E. Johnson, '99; Emily G. Kelsey, '00.

2. "THE ADELPHIAN." Established 1881, and maintained by students in the Adelphi Academy. *Board of Editors*: Editors-in-Chief, William R. Gelston, A.A., '98; Alice Pfizer, A.A., '97; Associate Editors, Eugene S. Wilson, A.A., '99; Mabel A. Knudson, A.A., '97; Richard C. Addy, A.A., '99; Florence G. Murphy, A.A., '99; Bernice P. Mitchell, A.A., '97; Mary S. Bacchus, A.A., '99; Alumnae Editor, S. Edith Wilkinson, A.A., '94; Business Managers, Leonard W. Bates, A.A., '99, and Frederick Graff, A.A., '98. "The Adelphean" conducted two prize competitions during the current year. The prize for the best Christmas story, written by a member of the Sub-Collegiate Department, was awarded to Miss Theodora Goldsmith, A.A., '99, with honorable mention for the stories written by Miss Lillian De Forest Chace, A.A., 1901, and William W. Pell, A.A., 1901. A prize offered for the best essay, to be submitted under specified conditions, by any member of the Collegiate Department, was awarded to Miss Elizabeth B. Kelsey, of the Junior Class.

3. THE ADELPHI DEBATING CLUB.—*Officers*: President, Edward A. Ingraham, A.A., '99; Vice-President, Eldert Bergen, A.A., '98; Clerk, Wilson Harris, A.A., '00; Board of Critics, Profs. Hobson, Filkins and Fradenburgh.

4. THE ADELPHI GIRLS' GLEE CLUB.—*Officers*: President, Helen Atwood; Secretary and Treasurer, Edna Story; Librarian, Mabel A. Knudson.

5. THE ADELPHI BOYS' GLEE CLUB.—*Officers*: President, Allan Yallalee; Secretary and Treasurer, James Hutt; Librarian, John Salter.

6. THE ADELPHI ACADEMY ATHLETIC ASSOCIATION.—*Officers*: President, Mowbray W. Forney, '98; Vice-President, Philip C. Langdon, '99; Secretary, Richard C. Addy, '99; Treasurer, Dr. Henry S. Pettit; Captain of the handball team, P. C. Langdon, '99; Captain of the first basketball team, M. W. Forney, '98; Captain of second basketball team, Herman Hacker, Sp.; Captain of Girls' basketball team, Louise Brooks, '99; Captain of baseball nine, M. W. Forney, '98; Captains of Track Athletic team, Jack G. Beasley, '99, and Lewis B. Hall, '00. Annual Gymnasium Exhibitions: Boys' Classes, March 26th, 1897; Girls' Classes, April 9th, 1897.

Athletic Advisory Committee: Faculty members, Prof. Wm. W. Share, Dr. H. S. Pettit, Mr. John H. Safford. Student members, M. W. Forney, P. C. Langdon.

ORDER OF EXERCISES AT THE ADELPHI ACADEMY COMMENCEMENT.

TUESDAY, JUNE 9TH, 1896.

EMMANUEL BAPTIST CHURCH, 8 P. M.

1. ORGAN PRELUDE—
G. Waring Stebbins.
2. INVOCATION—
Rev. Dr. John Humpstone.
3. GLEE—"I Know a Bank."
Adelphi Glee Club. *Horn.*
4. ESSAY—Leonardo da Vinci.
Alice Casamajor.
5. ESSAY—A Girl's Education.
Adelia Caroline Harding.
6. ORATION—Cecil Rhodes.
Alfred Dudley Britton.
Representative of the College Preparatory Class.
7. ESSAY—The Civilization of the Indian.
Sarah Conselyea Baker.
8. INTERMEZZO—"Cavalleria Rusticana."
Adelphi Glee Club.
9. ESSAY—Beethoven.
Anna Maud Harrison.
10. ESSAY—Unrecognized Heroism.
Rebecca Lane Hooper.
11. VALEDICTORY ADDRESS—
Adelia Caroline Harding.
12. PRESENTATION OF CERTIFICATES AND DIPLOMAS—
13. ADELPHI SCHOOL SONG—"Vale."
Adelphi Glee Club. *Barnby.*
14. REMARKS—
By **Hon. T. L. Woodruff**, President of the Board of Trustees.
15. ADDRESS in behalf of the Alumni.
Rev. W. W. Davis, Jr. (Adelphi, '75.)
16. ORGAN POSTLUDE—
G. Waring Stebbins.

The diploma of the Academy was given to six graduates in the Classical Course, to eight graduates in the Literary Course, and to two graduates in the Scientific Course. The diploma of the Adelphi Training Course was also given, on Monday, June 8th, to ten graduates in the Kindergarten Training School.

THE ADELPHI ACADEMY ALUMNI ASSOCIATION.

ORGANIZED JANUARY 3, 1884.

The officers of this Association are : President, Mr. Joel S. de Selding, Caton Avenue, Flatbush ; Vice-President, Miss Caroline D. Camp, 257 Lafayette Avenue ; Secretary, Miss Mabel L. Hastings, 276 Ryerson Street ; Treasurer, Mr. Charles P. Hutchins, 796 DeKalb Avenue.

THE ASSOCIATE ALUMNÆ OF THE ADELPHI ACADEMY.

This Association was organized on the 2d of February, 1895. All Alumnæ of the Academy are eligible to membership. The Association is intended to provide for the Alumnæ convenient means for better social acquaintance, and for organized effort in behalf of the Academy. For the greater convenience of the members the meetings of the Association are held in the afternoon.

The officers for this year are as follows : President, Miss Caroline D. Camp, 257 Lafayette Avenue ; Vice-President, Miss Josephine W. Hollenback, 460 Washington Avenue ; Treasurer, Miss Helen F. Pratt, 232 Clinton Avenue ; Recording Secretary, Miss Isabel Peckham, 406 Classon Avenue ; Corresponding Secretary, Miss Florence A. Squier, 32 Prospect Park West.

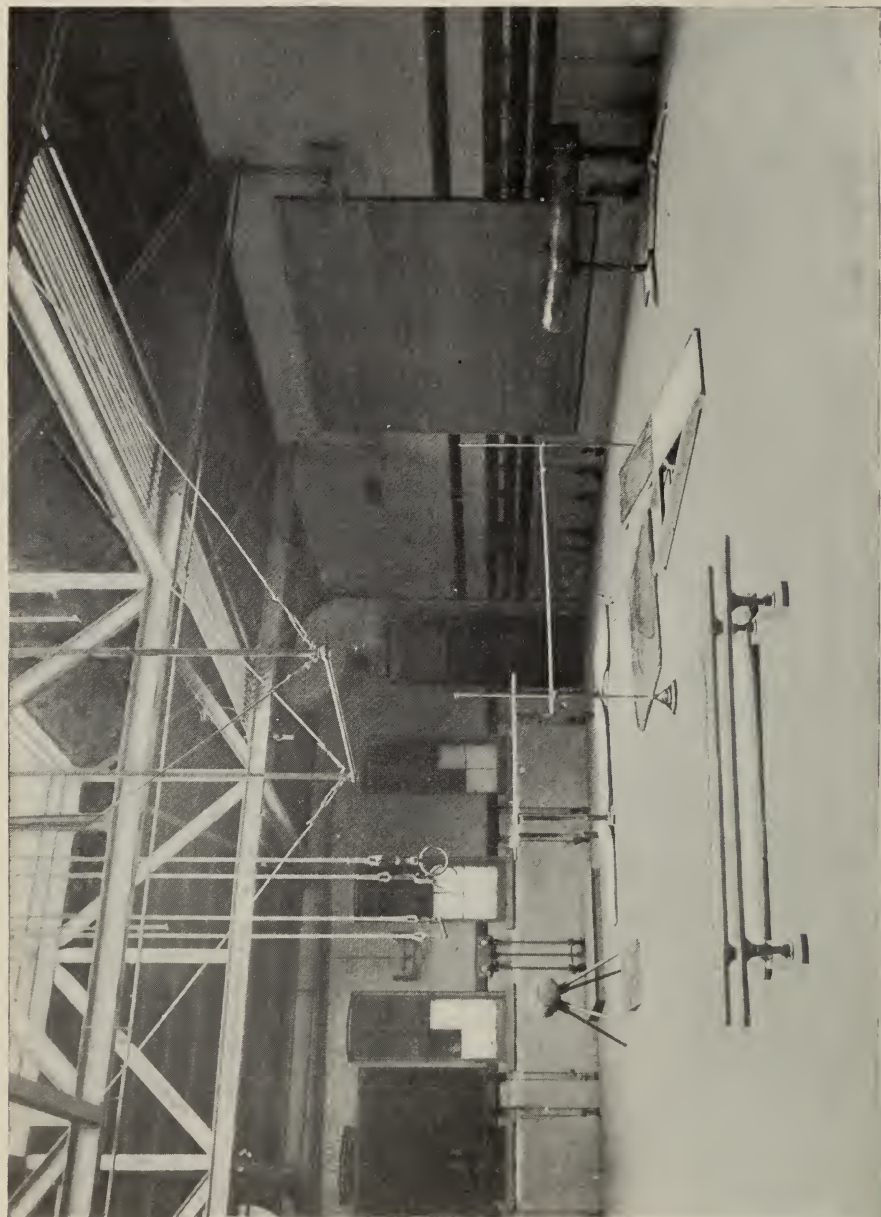
The Bursar, Miss Morrill, should be informed of any changes in address or of any items of interest concerning Alumni, in order that the Register of Graduates, which was last published in the catalog for 1893-94, may be corrected to date.

FORM OF BEQUEST.

I give, devise, and bequeath unto Adelphi College the sum of . . . dollars, to be paid to the said corporation by my executors.



THE LIBRARY AND READING ROOM.



**REGISTER OF STUDENTS IN ALL DEPARTMENTS OF THE
ADELPHI.****1896-1897.**

KINDERGARTEN.

Alexander, Katharine
Corbett, Mildred
De Forest, Dorothea
De Forest, Helen
Demarest, Ida Viola
Dick, Julia A. H.
Dixon, Grace
Janes, Marcia Taft
Levermore, Lilian
Lockwood, Olive
Matheson, Janet
Rogers, Dorothy
Rogers, Katharine
Slocum, Madeline
Stake, Lulu
Walden, Madeline Katharine

Atwood, Freeman Stanley
Bown, Victor
Cuyler, Theodore Ledyard, 3d.
Dahn, Harry
Edminster, Albert Franklin
Haviland, Paul G.

Hibbard, Coleman
Hooker, Henry D., Jr.
Johnston, Charles L., Jr.
Lovell, Lawrence C.
Morris, Charles Edward, Jr.
Murphy, Edward S.
Paddock, Andrew B., Jr.
Phillips, Francis T.
Price, Clark Monroe
Resek, Marc
Roe, Henry Preston
Ross, Lester
Salter, Thomas Manning
Saxton, Robert Townsend
Schenck, C. Newton, Jr.
Schenck, Gordon
Smith, Donald Jerome
Smith, Harold Earle
Visel, David Roy
Watson, Roy Garrett
Wendlestadt, Lucius F.
Williamson, George M.—44.

PRIMARY DEPARTMENT.

INTERMEDIATE GRADE.

Biederman, Ella F.
Collins, Isabelle
Crafts, Millicent
Dick, Doris A.
Douglas, Dorothy
Ford, Helen F.
Haviland, Constance
Hewitt, Jessie H.
Johnston, Grace L.
Kahl, Annette
Kayser, Doris C.
Klein, Françoise
Lawrence, Bennita
Schradiack, Clementine
Wegener, Mary A.

Dresser, Sidney R.
English, J. Radford
Griffiths, Gerard
Klipstein, Herbert C.
Levermore, George K.
Martin, R. Haywood
Oliver, Frederick S.
Payntar, Meserole B.
Phillips, Rowley W.
Planten, John R.
Platt, R. Sidney
Shaw, J. Guthrie, Jr.
Spencer, William E., Jr.
Whitney, Frederick C.—29.

FIRST GRADE.

Boreham, Edna
Broes van Heekeren, Elizabeth
Chapman, Martha E.
Conselyea, Estelle A.
Cortis, Florence L.
Enequist, Frances C.
Granbery, Viola R.
Humbert, Helen
Kayser, Alice B.
Klein, Belle
Kohnstamm, Florence
Levermore, Margaret
McCarroll, Estelle S.
Ruckgaber, Anita C.
Schnitzpahn, Millicent B.
Shortland, Hazel F.
Slocum, Lorna J.
Snow, Carolyn
Sterling, Ellen
Terrett, Helen G.
Tobey, Marguerite M.

Van Nostrand, Helen
Von Glahn, Adelaide C.
Winant, Marguerite D.
Wyckoff, Mildred

Bretz, Harold B.
Brown, Eugene L.
Browne, Rodman
Burchard, Allan E.
Burr, Charles P.
Courtney, Eric
Dick, Willie K.
Dunne, Desmond
Fields, Richard R.
Ford, Donald
Hinman, J. Edward
Holtz, H. Malcolm
Hough, Harry Peyton
Howlett, Henry J., Jr.
Johnson, W. Merrill

Keating, Edward
 Klipstein, August
 Lawton, Ernest B.
 Liebler, H. Baxter
 Morrison, Ogden C.
 Morse, Frederic
 Norton, Hubert C.
 Owens, W. Douglas
 Palmer, Chester U.
 Palmer, Elwell
 Pfeiffer, Karl E.
 Roche, Ernest Spencer

Rossiter, W. Winton G.
 Sayre, Caryl H.
 Seaman, Lewis W.
 Sherwood, Oliver B.
 Shotwell, Willets H.
 Stake, Walter W.
 Swain, David W.
 Swezey, Christopher, Jr.
 Trunkett, Gilbert R.
 Wegener, Francis A.
 Werner, Charles J.
 Whitney, D. Richards, Jr.—64.

SECOND GRADE.

Allison, Charlotte De Witt
 Bruff, Helen
 Burrell, Edith G.
 Casamajor, Pauline
 Cinnamond, Helen C.
 Cruikshank, Marion
 Dixon, Clara L.
 Firth, Mildred
 Gibb, Dorothy
 Holmes, Hazel A.
 Jewell, Marjorie
 Johnson, Marguerite H.
 Jourdan, Helen B.
 Kirchwey, Dorothy B.
 Klipstein, Louise
 Markell, Aileen
 Otteson, Grace
 Peabody, Henrietta C.
 Persons, Marjorie M.
 Planten, F. Marguerite
 Richardson, Florence
 Seaman, Ella
 Shepard, Edna
 Smith, Marion L.
 Snow, Mildred
 Southard, Beatrice
 Todd, L. Beatrice
 Todd, Marjory C.
 Vail, Florence

Anderson, Berrien P.
 Babbidge, Harold J.
 Brady, Robert T.
 Brown, Russell Robbins
 Burling, W. Raymond
 Carpenter, Charles A.
 Chichester, Percival
 Clark, Alfred S.
 Cornell, J. Delmonte
 Eldredge, O. Stanley
 Fields, John J.
 Hewitt, Fritz
 Holt, Henry
 Howard, William F.
 Johnson, Walter H.
 Leonard, Norman A.
 Levermore, Charles L.
 Owens, Malcolm W.
 Pinney, Harold R.
 Rushmore, Charles T.
 Schradieck, Emil H.
 Schwarzwaelder Allen C.
 Sloan, A. Kellogg, Jr.
 Von Glahn, John C.
 Von Glahn, John D.
 Vought, Donald W.
 Williams, Arthur L.
 Woodward, Cedric R.—57.

THIRD GRADE.

Bellinger, Katharine M.	de Selding, F. Monroe
Biederman, Mabel H.	Dimond, Walter S.
Borgmeyer, Henrietta D.	Dingee, C. Wesley
Brown, Henrietta R.	Dodd, Allen R.
Buchenberger, Else L. A.	Dunning, Clifford A.
Carter, Helen I.	Evarts, Roy C.
Crane, Beatrice	French, John
Critchley, Helene Marie	Germond, Russell C.
Crombie, Ruth E.	Gill, Harold E.
Douglas, Annie M.	Grant, Frank L.
Edgar, Louise	Gray, A. Freeman, Jr.
Field, Bessie	Griffiths, Butler, Jr.
Griffiths, Edna L.	Halstead, Ashton B.
Hall, Ethel H.	Hoag, J. Albert
Jarvis, Edith	Holmes, John F.
Kayser, Sophie M	Howard, Hermance M.
Lichtenstein, Ada	Humphrey, H. Julian
Lichtenstein, Georgiana	Jacques, William S.
Loughran, Hélène M.	Jadwin, Donald P.
Marston, Dorothy H.	Keiser, Edwin M.
Martin, Mary M.	Loughran, Alexius M.
Pfarre, Gertrude P.	McVaugh, Keith F.
Rogers, Sarah L.	Melville, J. Ward
Schradieck, Margaret	Moffett, Rudolph D.
Sessions, Hannah S.	Paine, Arthur P.
Shaw, Alta M.	Peckham, H. Duncan
Stoughton, Edna	Platt, Charles H.
Taylor, Gertrude	Prosser, T. Harold
Thayer, Nathalie	Raine, Harvey
Woolfall, Gladys M.	Robbins, Harold K.
	Swan, Halstead
Alling, Charles B.	Thorn, Henry C., Jr.
Bedford, Edward T., Jr.	Washburn, John B. S.
Burrows, Walter C.	Westervelt, G. Parker
Clark, Harry De W.	Woods, Frank A.
Coombs, Howard L.	Wray, Howard K.—72.
Cressingham, C. Frank	

GRAMMAR DEPARTMENT.

FOURTH GRADE.

Ackerman, Lesley L.	Alling, Kenneth S.
Babbidge, Louisa S.	Barndollar, Clarence R.
Broadhurst, Grace A.	Barry, John C.
Brown, Vivien	Bedford, Henry E., Jr.
Burr, Edna A.	Bernsee, William F.
Childs, Mary W.	Brosé, Edwin J.
Covert, Cornelia E.	Buchanan, George A. W.
Crook, Bessie A.	Buchenberger, Max C. W.
Folwell, Beatrice L.	Burn, Edward
Graef, Grace H.	Carson, Harry L.
Haight, Harriet H.	Catlin, Reginald W.
Harris, Mabel J.	Chapin, Edward E.
Heissenbuttel, Hazel	Coffin, Ivan R.
Ivins, Sarah	Comins, Frederic G.
Johnston, Sarah H.	Crary, James H.
Lawrence, Imogene	Cuminings, Louis C.
Levy, May	Cutter, John D., Jr.
Lewis, Lillian M.	Dana, Harold E.
Mac Innes, Elizabeth J.	Denison, Rial N., Jr.
Martin, Marjorie	Ford, Sumner
Murdock, Dora M.	Gould, Howard C.
Ogden, Helen M.	Green, Lloyd A.
Ogg, G. Madeline J.	Haight, Austin D.
Price, Bessie	Halpin, Mortimer E.
Ricksecker, Gertrude	Hollins, Morris G.
Roelker, Elsa M. A. W.	Hoschke, William E.
Shelley, Marguerite L.	Liebler, Theodore A., Jr.
Shiff, E. Madeline	Losee, Herbert I.
Shiff, L. Oliver	Mayhew, Zeb, Jr.
Smith, Ada	Merrihew, J. Edward
Smith, Edna E.	Minton, Ogden
Sterling, Mary	McNicholl, Alexander, Jr.
Swezey, Elsie M. B.	Momeyer, William P.
Tompkins, Flora Bell	Moore, Henry B., Jr.
Van Nostrand, Katherine R.	Ripton, James L.
Williams, Isabel L.	Saalfeld, Albert G.
Wood, Marie	Sayer, Winthrop
Worrell, Helen M.	Sayre, Howell E.
	Schradieck, Henry E.
	Shepard, Lawrence H.
	Smith, Frank G.
Abbott, Donald B.	
Aller, T. Gustin, Jr.	

Swan, Kingsley
 Sweeny, Charles T.
 Tomkins, Walter R.
 Tomkins, William O.

White, Frank R.
 Williams, J. Lees
 Wooden, Stewart L.
 Wyckoff, Herbert A.—89.

FIFTH GRADE.

Affeld, Ida E.
 Carpenter, Mary C.
 Chapman, Bertha
 Cinnamon, Ethel
 Crary, Annie B.
 Douglas, Jennie
 Edwards, Margaret A.
 Eldredge, Florence V.
 Goubert, Marguerite
 Gould, Fannie C.
 Ingraham, Edith
 Ingraham, Ruth
 Jacobus, Ethel B.
 Jeffery, Edna
 Langley, Edith M.
 Levy, Miriam
 Lima, Enid
 Matson, A. Nathalie
 Mills, Grace E.
 Moller, F. Edna
 Montgomery, Kathleen De F.
 Naylor, Florence E.
 Nutting, Olive L.
 Parker, Florence E.
 Persons, Clare G.
 Potter, Marianna S.
 Roelker, Emilie A. F.
 Rogers, Jessie M.
 Ruckgaber, Isabel E. L.
 Rupp, Ida M.
 Schumacher, Anna K.
 Scrymser, Christabel
 Sherwood, Mabel E.
 Shewan, Ada F.
 Silkman, Carrie E.
 Smith, Florence
 Swezey, Mabel K.
 Trier, Minnie
 Welles, Julia T.

Woolfall, Alice N.
 Young, Grace

 Carney, Lester M. F.
 Carpenter, William H.
 Carter, Frederick L.
 Casamajor, Robert
 Child, Bradley L.
 Colson, A. Ellicott, Jr.
 Cooney, Stanley L.
 Dixon, A. Faison
 Easton, Clifford H.
 Gilmore, Robert N.
 Haviland, Charles S.
 Horton, George S.
 Keller, William B., Jr.
 Kelley, Robert S.
 Kirchwey, Karl W.
 Losee, Alanson S.
 Lutkins, Clinton S.
 Marston, Trowbridge
 Mason, Arthur P.
 Matheson, M. Ross
 Mathews, Edward G.
 Meyer, Henry W., Jr.
 Moffett, Robert E.
 Norton, Harry W.
 Roessel, Louis C. H.
 Rogers, Harry M.
 Rose, Waldemar H.
 Ruckgaber, William
 Runyon, Ralph
 Steele, John
 Sterling, George H., Jr.
 Stothoff, J. Harry
 Trenkmann, Charles
 Warden, Kenneth
 Wood, Bernard H.
 Wray, William H., Jr.—77.

SIXTH GRADE.

Ackermann, Annie G.	Behrends, Frederick R.
Askew, Bertie C.	Birdsall, Silas Dutcher
Boreham, Arabella	Brombacher, Max H. C.
Broes van Heekeren Hendrika	Crombie, Dwight H.
Burn, Grace L.	Dewey, S. Bradford
Chapman, Emily G.	Duncan, David B.
Clay, Eugenia	Firth, Godfrey T.
Cone, Marion C.	Fowler, Royal H.
Du Bois, Belle	Griffiths, Leon H.
Eldredge, Arvilla R.	Halstead, Harold
Evans, E. Elizabeth	Henderson, Robert J.
Frazier, Marion	Hitch, Robert S.
Goldsmith, Béatrice	Humpstone, Ernest B.
Graef, Nellie T.	Humpstone, Harold D.
Guyon, Kate R.	Johnston, Charles W.
Harding, Annie B.	Jürgens, Hermann
Hasbrouck, Edna A.	Kehr, Gustav
Hoschke, Louisa M.	Knapp, Charles W.
Hutt, Dorothy	Mahnken, Frederick C.
Jürgens, Mary	Mason, Roger
Kelly, C. Edna	McKay, Charles W. A.
Kenyon, Rachel	Moore, George A.
Lenhart, Amelia G.	Palmer, Austin P.
Lenhart, Anna C.	Payne, Howell
Ogden, Edith R.	Pfarre, Edgar G.
Pearsall, Arline B.	Reynolds, George G.
Quinby, Edith	Rose, Harry T.
Reimers, Elizabeth	Schmidt, John W.
Sawyer, Mina J.	Scrymser, Birdsall A.
Sayer, Helen	Secoe, Arthur
Schradieck, Helen E.	Stafford, William V.
Schuller, Mary L.	Uptegrove, Gifford M.
Sittig, Annie B.	Van Wart, Edwin T.
Smith, Louie E.	Warden, Loris
Smith, Mae P.	Waring, Robert L.
Turner, Grace	Wheeler, Henry Hathaway
Wheeler, Elizabeth M.	Williams, Albert B.
	Wing, R. Deland—75.

SEVENTH GRADE.

Allen, Mary E.	Beebe, Anna E.
Backhouse, Ruby	Brombacher, Julie M.
Bates, Ethel E.	Buys, Mabel A.

Carpenter, Anna T.
 Carson, Esther E.
 Casamajor, Martha
 Christensen, Alice F.
 Cooper, Grace A.
 Covert, Ella M.
 Dallas, Mary
 Dimond, Mary
 Dixon, Mary F.
 Duncan, Mary W.
 Emken, Elsie H.
 Friedhoff, May F.
 Harris, May S.
 Henderson, A. Jean
 Hollingshead, Bessie L.
 Hoxie, Elise P.
 Jürgens, Sophie M. R.
 Käsebier, Hermine M.
 Kelley, Josephine
 Kenyon, Helen
 Kouwenhoven, Cornelia K.
 Langley, Marjorie S.
 Lawrence, Azilia M.
 Lazelle, Mabel E.
 Merrihew, Caroline R.
 Nicholas, Josephine E.
 Nichols, Margaret F.
 Pinney, Grace DeW.
 Righter, Jessie H.
 Romer, Mary S.
 Schradieck, Alice M.
 Sherwood, Grace L.
 Shewan, Agnes R.
 Smith, Blanche
 Stebbins, Sallie F.
 Steenken, Anna M.
 Uhler, Maude
 Van Der Bilt, Minerva

Wanamaker, Lulu M.
 Westervelt, Katharine T.
 Wheeler, Hattie
 Whitney, Marion S.
 Williams, Ethel

Ainslie, Hiram D.
 Appleton, Frank H.
 Bacchus, Stockbridge
 Beach, Frank C.
 Beesley, Roland
 Bishop, Clifford M.
 Burn, Harry L.
 Candee, Walter M.
 Cragg, Walter H.
 Dewey, Ralph C.
 Gibb, Edward
 Harris, George Burdette
 Heath, Norman A.
 Hillyard, William K.
 Humphrey, Frederic L.
 Ingraham, Olin
 Jelliffe, Robert A.
 Kelsey, Arthur J.
 Lawton, Maxwell F.
 Levy, Leo N.
 Major, Howard B.
 Mathews, Butler A.
 Momeyer, George
 Recknagel, A. Bernhard
 Roberts, George
 Robinson, James L.
 Rushmore, Arthur W.
 Saxton, Chester E.
 Seaman, Ralph
 Seed, Edward C.
 Smith, Andrew A., Jr.
 Woods, Leonard M.

SPECIAL STUDENT.

Palmer, Arthur R.—82.

KINDERGARTEN TRAINING CLASS.**SPECIALS.**

McDougall, Emma
Mitchell, Lillian

Walker, Harriett

JUNIOR CLASS.

Choate, Nell Hinton
Duncan, Susan S. W.
Hale, Gertrude Marie
Preston, Maud Isabelle

Settle, Florence Bradford
Shevlin, Geraldine Mercedes
Wilson, Saidee Cranston

SENIOR CLASS.

Althans, Carolene A.
Brown, Victoria
Clark, Mary Ayres
Colegate, Amy Beatrice
Everingham, Olive Edson
Foote, Helen Lavinia
Fossard, Isabelle Rittenhouse

Heydinger, Mary Gertrude
Lane, Edna Josephine
McNiel, Jean Schuyler
Seeley, Grace Louise
Shannon, Lilly
Thompson, Bessie Howard
Zerega, Christine Rose—24.

PHYSICAL CULTURE DEPARTMENT.

Diossy, Elsie C.
Duncomb, Lillian
Edgar, Bessie
Gillen, Lizzie
Metcalf, Christine
Metcalf, Gertrude
Schwab, Theresa

Sibbals, Margaret
Waldie, Grace
Waldie, Jessie

Hoyt, Frank
Westbrook, Francis A.—12.

ART DEPARTMENT.

Armstrong, Charlotte B.
Barker, Genevieve
Bennett, Louise S.
Blakemore, May
Burkey, Anna
Campbell, Florence
Casamajor, Alice
Comins, Helen A.
Darling, Anna M.
Dawson, Bessie
Fiala, Minnie
Field, Ada A.
Finks, Theodora
Fitzmaurice, Mrs. Harriet E.

Foote, Lottie E.
Goubert, Marguerite
Graham, Bessie
Grube, Eulalie E.
Hewitt, Jessie
Horton, Bessie G.
Ingraham, Fannie T.
Iremonger, Mrs. T.
Jensen, Helen E.
Kissam, Florence E.
Knapp, Mrs. Hattie M.
Levy, Estelle
Lewis, Cornelia
Lockwood, Mrs. S. O.

Marsh, Helen D.
 Miles, Stella
 Ophuls, Johanna
 Plummer, Ethel M.
 Porter, Edith M.
 Pratt, Anna B.
 Preator, Viola
 Quinlan, Florence
 Ray, Edith
 Raymond, Mrs. Julia E.
 Read, Lillian
 Rose, Olga
 Seastrom, Jennie

Shepherd, Mrs. George
 Sherwood, Mabel E.
 Whitmore, B. Olive
 Wright, Mrs. M. M.
 Zimmermann, Marie

 Benedict, Harold W.
 Boerum, Folkert R., Jr.
 Day, J. Arthur
 De Villroy, August
 Holland, David B.
 Purchase, Clarence A.
 Warren, Edmandson—53.

EVENING CLASSES.

Borneman, Emma
 Culbertson, Josephine M.
 Elkins, Fanny
 Elkins, Ida
 Frederick, Minnie
 Lewis, Mrs. A. C.
 Mundell, Ida
 Rawlinson, Tillie
 Raymond, Julie E.
 Rohlfig, M. A.

Adler, Edwin
 Benedict, Harold W.
 Billwiller, Charles A.
 Chappel, George
 Day, J. Arthur
 De Villroy, August
 Dietsche, Adolph
 Faesler, Joseph J.
 Gayan, Charles A.
 Gompert, Will H.
 Green, George
 Grube, Arthur

Hadon, Alfred B.
 Harper, Frank E.
 Hawley, Stephen B.
 Henkin, J. Henry
 Hoyt, P. L.
 Landberg, George
 Loreny, William
 Maynard, Charles
 Meyer, Augustus
 Meyers, Charles
 Nanke, John T.
 Rohlfig, Oscar
 Saunders, A. Fred
 Seelbach, Fred G.
 Sprague, Will H.
 Thran, Albert G.
 Thran, Maurice E.
 Ulrick, Otto
 Van Riper, Fred
 Wahl, Adam
 Warren, Edmandson
 Weil, Ivie—44.

SUB-COLLEGIATE DEPARTMENT.

SPECIAL STUDENTS.

Davies, Isabel
 Levy, Estelle
 Seldner, Minnie

Seymour, Josephine

 Hacker, Herman
 Whitcomb, Herman S.—6.

FIRST YEAR CLASS.

Abraham, Edith S.	Story, Josephine B.
Backhouse, Lillian A.	Tompkins Catherine A.
Bliss, Ida	Trier, Mety
Bowne, Alice D.	Washburn, Adelaide S.
Brown, Gwendolen	Welles, Mary S.
Carpenter, Hazel	Woodhull, Anna M.
Chace, Lillian De F.	Woodhull, Carrie L.
Combes, Phebe S.	Woods, Evelyn La P.
Coppins, Hazel E.	Wykes, Leila
Corell, Clara	Young, Edna
Courtney, Edith M.	
Crum, Louise	Adams, Ernest C.
Cutter, Ruth	Allen, Harold B.
Demarest, Minnie R.	Benson, Edwin P.
Dickey, Henrietta E.	Carpenter, Charles A.
Emery, Maud L.	Durfee, Arthur P.
Gelston, May	Edgar, Frederick H.
Graves, Fannie	Evans, Ernest A.
Hall, Ethel	Frisby, Albert C.
Harkness, Blanche M.	Funk, Wilfred J.
Harris, F. Estelle	Gilmore, Edward
Hedge, Sophie B.	Gilmore, H. Blake
Henderson, Adele D.	Griffiths, B. Albert
Hoopes, Elizabeth C.	Jenkins, Clarence C.
Hoople, Bessie	Kenyon, George
Kouwenhoven, Lillie	Marsland, Herbert E.
Levy, Dora	McCleary, Bernard J.
Levy, Leonora	McCormick, John
Luther, Grace H.	Pardessus, Florian G.
Martin, Lillie O.	Pell, William W.
Mitchell, Marguerite	Pratt, Clarence A.
Murr, Laura H.	Riedel, Carl O.
Nichols, Louise C.	Rothstein, Henry W.
Porter, Alba H.	Salter, Robert S.
Powers, Florence E.	Silkman, Charles H.
Rasch, Addie C.	Silleck, William M.
Rayner, Florence R.	Thornton, Lewis M.
Rosemon, Lillian D.	Timlin, John J.
Ruckgaber, Helene	Tompkins, Howard C.
Ruckgaber, Laura	Topping, Ray M.
Saunders, Mary Eva	Warren, Nelson H.
Squier, Ethel C.	Wheeler, Benjamin R.—82.

SECOND YEAR CLASS.

Bennett, Florence R.
 Brown, Jessie B.
 Cotton, Edith A.
 Cotton, Grace C.
 Dickey, Kate G.
 Eldredge, Marion B.
 Emerson, Ethel M.
 English, Ethel M.
 Flagler, Grace E.
 Fuller, Ethelyn A.
 Guyon, Ethel W.
 Henson, Violet L.
 Hitch, Laura D.
 Hollenback, Juliette G.
 Irish, Alice F.
 Louis, Amelia C.
 Marshall, Georgia M.
 Martin, Harriett M.
 Matson, Clarine V. B.
 Meyer, Fannie F.
 Pfeiffer, Jenny I.
 Robinson, C. Marguerite
 Rogers, Alice H.
 Scudder, Edna H.
 Scudder, Mai H.
 Steenken, Elsie
 Turner, Matilda H.
 Van Cleve, Christine
 Vernon, Laura.

Watson, Maud C.
 Whitney, Katharine E.

 Ager, John W.
 Barnett, Percy W.
 Barron, Ben M.
 Brown, Allan H.
 Burnett, Harold L.
 Burtis, William E.
 Casamajor, Louis
 Dunning, Clarence
 Emery, William F.
 Ferguson, Joseph
 Forney, J. Albert
 Griffiths, G. Arthur
 Hall, Lewis B., Jr
 Harris, Frederick L.
 Harris, Wilson P.
 Hutt, James W., Jr.
 Iglehart, Charles W.
 Langhaar, Louis
 Lawrence, Parker V.
 Raine, Charles W.
 Spencer, John H.
 Thomson, Ralph M.
 Wellington, Frank H.
 Yallalee, Allan J.
 Yallalee, Charles H.—56.

THIRD YEAR CLASS.

Aller, Georgetta P.
 Appleton, Winifred
 Bacchus, Josephine Stearns
 Bacchus, Mary Stockbridge
 Blake, Mabel
 Bowne, Mary A.
 Brooks, Louise W.
 Buchenberger, Carrie A.
 Christensen, D. Bessie
 Comins, Helen A.
 Crampton, Cecilia

Fradley, Sadie Russen
 Garland, M. Adelaide
 Goldsmith, Theodora
 Graff, Lucy
 Hedge, Saidee W.
 Kirkman, Ethel
 Lahey, Marguerite J. D.
 Leighton, Lillian D.
 Lockwood, Nannie
 Loeser, H. Bertha
 MacKenzie, Jeanie M.

Marshall, A. May
Mayhew, M. Louise
McCarroll, J. Frances
Miles, Alberta C.
Moon, M. Louise
Mulvihill, Catherine M.
Murphy, Florence G.
Murr, Addie B.
Newton, Alice B.
Nichols, Kate S.
Ray, Helen
Redding, Helen E.
Richter, Katherine A.
Romer, Elizabeth P.
Seaman, Maude
Shadbolt, Eva A.
Thackray, M. Josephine
Thomson, Edith M.
Warren, Harriette D.
Whittaker, Margaret S.
Willits, Lorraine

Addy, Richard C., Jr.
Backhouse, George G.

Bancker, Andrew O.
Bates, Leonard W.
Beasley, Jack G.
Dewey, Alan B.
Durham, Knowlton
Dutcher, Edwin B.
Fraser, Thomas H.
Gardner, Archie
Halstead, Kenneth B.
Hopkins, Joseph G.
Hunting, George H.
Ingraham, Edward A.
Jenkins, Wilson W.
Keilholz, William F., Jr.
Langdon, Philip C.
Latimer, Raymond I.
Le Fevre, Francis E.
Otis, Kenneth R.
Packard, Harry A.
Salter, John L., Jr.
Topping, Howell
Trier, Hans
Wilson, Eugene S.—67.

COLLEGIATE DEPARTMENT OR STUDENTS IN ADELPHI COLLEGE.

FOURTH YEAR OR FRESHMAN CLASS.

Bates, Mary E.	Stanton, Mildred A.
Combes, Frances A.	Tobey, Ethel M., <i>Sp.</i>
Hall, Mildred F., <i>Sp.</i>	Tuthill, Alice M.
Hollenback, Amelia B.	Vail, Marion J.
Kelsey, Emily G.	Valentine, Florence E.
Langdon, Annie E.	Vernon, Edith L.
Lockwood, Isabelle	Walbridge, Marguerite.
Logan, Julia	
Martin, Florence E.	Bergen, Eldert
McCarroll, Irene M.	Evans, Carstens C.
Mead, Louise R.	Forney, Mowbray W.
Ogden, Katherine C.	Gelston, William R.
Ogg, Emma Jessie	Graff, Frederick
Pfeiffer, Clara A.	Rappold, Gustave A.—28.
Ray, Edith	

FIFTH YEAR, OR SOPHOMORE CLASS.

Atwood, Helen	Munson, Mabel E.
Casamajor, Mary	Munson, M. Louise
Davol, Marian	Parker, Helen C.
Eldert, Katharine, <i>Sp.</i>	Pfizer, Alice M. E.
Ewing, Christina	Ripley, Julie A.
Hanks, Helen A.	Rose, Matilda, C.
Johnson, Margaret E.	Seaman, Emily C.
Knudson, Mabel A.	Stockwell, Ethel S.
Liebmann, Florence H.	Story, Edna
Mathews, Mary E.	
Mitchell, Bernice P.	Morgans, Frank D.—22.
Munson, Beulah B.	

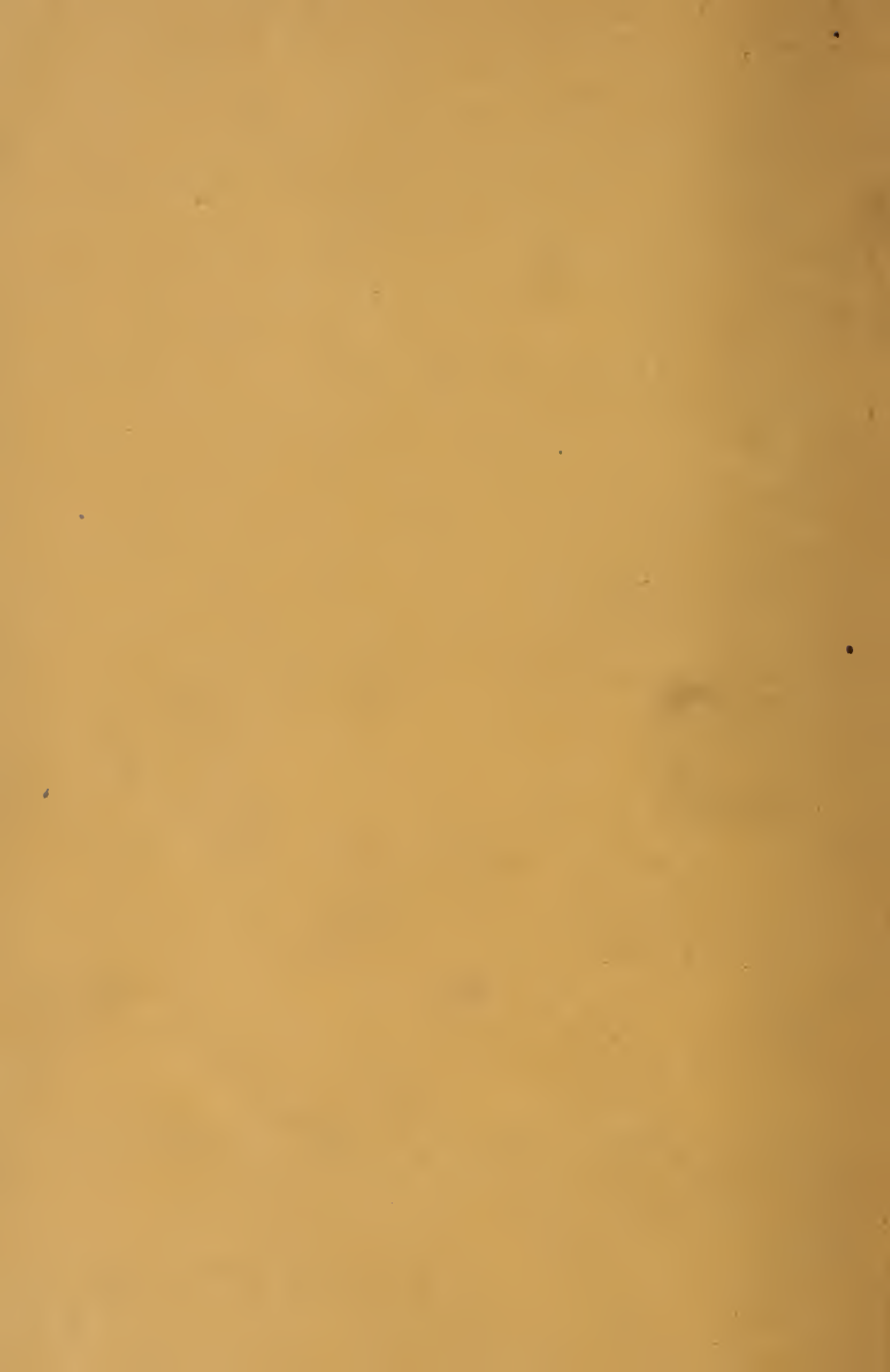
This class contains the members of the Graduating Class of the Adelphi Academy.

JUNIOR CLASS.

Hutton, Agnes B., <i>Sp.</i>	Roberts, Gertrude A., <i>Sp.</i>
Kelsey, Elizabeth B.	Romer, Amy C.
Miller, Mabel	Wyckoff, Ella—7.
Perkins, Helen L.	

SUMMARY.

Kindergarten Department,	44
Primary and Grammar Departments,	545
Kindergarten Training Class	24
Physical Culture Department,	12
Art Department,	97
Sub-Collegiate Department,	213
Collegiate Department,	57
	992
Omitting Repeated Names,	10
Total,	982

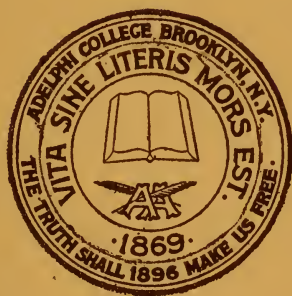


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Adelphi College and Adelphi Academy

1898-99



PLEASE EXCHANGE.



THIRD ANNUAL CATALOG
OF
ADELPHI COLLEGE
AND
Thirtieth Annual Catalog
OF
ADELPHI ACADEMY.

Lafayette Avenue, St. James Place and Clifton Place,
BROOKLYN, N. Y.

1898-1899.

BROOKLYN-NEW YORK :
PUBLISHED FOR THE COLLEGE

1899

RATES OF TUITION.

PER QUARTER, PAYABLE IN ADVANCE.

No extra charges in any study of the required course, except for Materials used in the Laboratories.

Adelphi Academy, Primary and Grammar Departments.

Kindergarten.....	\$12.50	Fourth Grade.....	\$22.50
Intermediate Grade.....	15 00	Fifth Grade.....	25.00
First Grade.....	15 00	Sixth Grade.....	30.00
Second Grade.....	17.50	Seventh Grade.....	32.50
Third Grade.....	20.00		

Sub-Collegiate and Collegiate Departments.

First Year Class.....	\$37.50
Second, Third, Fourth, and Fifth Year Classes, each alike.....	40.00

Adelphi College.

Freshman Class.....	\$40 00
Sophomore Class.....	40.00
Junior Class.....	45.00
Senior Class.....	45.00

Rates of Tuition in Teachers' Courses.

Matriculation Fee.....	\$5.00
Direction Course, per Semester.....	10.00
Residence Course, per Course.....	35.00
Laboratory Fee (in Science Course).....	15.00

Special Fees.

Kindergarten Training Course, per year.....	\$100.00
(No extra charges.)	
Art School, half-day session, three times weekly, per quarter.....	10 00
Whole-day session per quarter.....	15 00
Gymnasium, twice weekly, per quarter.....	6.00
Gymnasium, three times weekly, per quarter.....	9.00
Manual Training, Optional Class, twice weekly, per quarter.....	8.00
For pupils owning their own tools, per quarter.....	6.00
Special examinations, each.....	5.00

Tuition is payable at the Bursar's office in the Academic Building.

No Deduction is made for absence of less than five weeks; in case of consecutive absence of five weeks or more, tuition for one half the time will be refunded. No deduction will be made for absence during the fourth term. If a student withdraws from school during the year he is liable for tuition until the Bursar has been notified of the withdrawal.

Special Students who attend one class recitation only, pay \$15 a quarter for each branch pursued. Special students in the sciences are entitled to the same amount of laboratory work as that which is required of regular students; for extra work in the laboratories they pay \$10 a quarter for each additional period. No special student is received for less than one quarter. Special students who take three subjects pay the regular rate.

The Academy maintains a Book Room, where all books and stationery may be purchased by the students for cash. Students in the Biology classes will make a deposit of \$3 to cover cost of materials.

Students in the Chemistry classes will make a deposit of \$5 for courses in Elementary Chemistry and \$10 for courses in Qualitative Analysis and Quantitative Analysis to cover cost of materials. Deposit is to be made with the Professor in charge. No laboratory desk will be assigned before deposit is made.

Address all business communications to

"THE BURSAR, ADELPHI COLLEGE, BROOKLYN."

THE ADELPHI CALENDAR.

1899=1900.

College Commencement.....	Friday, June 9, 1899.
Academy Commencement.....	Wednesday, June 14, 1899.
Applicants for admission received and entrance examinations for the College..	Thursday and Friday, June 15-16, 1899
Applicants for admission received.....	Wednesday, Thursday, and Friday, Sep- tember 13, 14, 15, 1899.
College entrance examinations.....	Wednesday and Thursday, Sept. 13, 14.
Condition Examinations.....	Friday, September 15, 1899.
Recitations begin.....	September 18, 1899.
Second Term begins.....	November 22, 1899.
Third Term begins.....	January 31, 1900.
Fourth Term begins.....	April 11, 1900.
College Commencement.....	Friday, June 8, 1900.
Academy Commencement.....	Wednesday, June 13, 1900.

HOLIDAYS.

Thanksgiving Day and the day after.

Christmas Recess.....Dec. 23, 1899 to Jan. 1, 1900, inclusive.

(Exercises close at the end of the afternoon session, Friday, December 22.

Exercises resumed at 8:50 A. M., Tuesday, January 2.)

Lincoln's Birthday.....February 12, 1900.

Washington's Birthday.....February 22, 1900.

Spring Recess.....March 24, 1900, to April 1, 1900, inclusive.

(Exercises close at the end of the afternoon session, Friday, March 23.

Exercises resumed at 8:50 A. M. Monday, April 2.)

Good Friday.....April 13, 1900.

Decoration Day.....May 30, 1900.

All legal holidays are observed.

OFFICE HOURS.

The President, daily, after September 11, 9 to 10 A.M.

The Library, session days, 8:30 A.M. to 4 P.M.

The Gymnasium, session days, 9 A.M. to 5 P.M.; Saturdays, at the pleasure of the Director, 9 A.M. to 12 M.

The Bursar, session days, after September 11, 8:30 A.M. to 12 M.; 2 P.M. to 4 P.M.

For catalogs and other information address "The Registrar, Adelphi College, Brooklyn."

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LECTURES, 1898-1899.

Among the lecturers who appeared at the Adelphi during the current school year were the following speakers, who discussed the subjects that are annexed to their names :

MRS. S. L. BALDWIN, "Women of China."
 HON. WALLACE BRUCE, "The Literature of the Hudson."
 MRS. CHARLOTTE REEVES CONOVER, "Molière et son temps."
 PROF. WM. C. LAWTON,

1. The "Thusnelda," a typical historic picture.
2. Kipling, the Artist, a retrospect and a prophecy.

PROF. ABBY LEACH, The "Electra" of Sophocles.
 MISS C. I. MACCOLL,

"College Settlements for women, with especial reference to the Christodora House."

PROF. W. C. PECKHAM, Weekly upon geographical and historical subjects.

MONS. EDOUARD ROD,

1. "Shakespeare en France."
2. "Cyrano de Bergerac."

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ADELPHI COLLEGE.

ADELPHI COLLEGE was incorporated by the unanimous vote of the Regents of the University of the State of New York, at Albany, Wednesday, June 24, 1896. In the name of that University, as well as in its own name, its honors will be bestowed. The degrees issued by Adelphi will bear the seals of both the University and the College, and will be signed by the Chancellor and Secretary of the University as well as by the officers of the College.

Adelphi College is the natural outcome and fitting crown of the Adelphi Academy. The Academy still remains intact, but its Collegiate Department, which formerly included much work of collegiate grade, for which it could not easily obtain proper credit, is now extended to the full limit of the customary college courses.

In any of these courses the Bachelor's degree may be obtained by two years of successful study beyond the completion of the Adelphi Academy curriculum. That curriculum, however, remains substantially unchanged in time and scope, and its diploma is awarded under the same conditions as heretofore.

The courses of study leading to a baccalaureate degree in the Adelphi College are arranged in three groups, viz.: the Classical Course, the Literary Course, and the Scientific Course. Students who complete the required amount of work in the Classical or Literary Course to the satisfaction of the Faculty will receive the degree of Bachelor of Arts; in the Scientific Course they will, under similar conditions, receive the degree of Bachelor of Science. All courses in Adelphi College are open to women.

TERMS OF ADMISSION.

Members of the Third or Fourth Year Classes in the Sub-Collegiate Department of the Adelphi Academy, who have satisfactorily completed the required studies of the year and of the regular curriculum of the Sub-Collegiate Department up to that point, are admitted without examination, in accordance with the usual rules of promotion in the Adelphi Academy, to the Freshman Class in Adelphi College in any course for which they have been prepared.

Other applicants for admission to Adelphi College may present themselves at the College (Clifton Place entrance, Room No. 53) for examination on the Thursday and Friday after Commencement (June 15 and 16, 1899), or on the first two days of the Fall Term (September 13 and 14, 1899).

ORDER OF EXAMINATIONS.

FIRST DAY.

- 8.30-9. Registration.
- 9-10. Cæsar and Cicero.
- 10-11.15. Vergil and Sight Reading.
Chemistry, Sci. Course.
- 11.30-12.45. German.
- 2-3.30. English.
- 3.30-4.30. Physics, Sci. Course.
- 3.30-4.30. Anc. History
- 4.30-5.30. U. S. History.

SECOND DAY.

- Academic Algebra.
- Plane Geometry.
- French.
- 2-3.15. Anabasis, Adv. Algebra.
- Physics and Chemistry, Lit. Course.
- 3.15-4.30. Iliad and Sight Reading.
- Solid Geom., Zoology.

For applicants from well-known and reputable schools certificates will ordinarily be accepted, so far as the studies pursued in such schools cover the entrance requirements of Adelphi College. All such certificates should be signed by the responsible instructors in the school last attended, and should state explicitly, under each subject of study, the text books used, the extent of the work done, and the time devoted to it, with dates. Regents' certificates or pass cards will be accepted for the ground they cover.

Special students of a mature age, not candidates for a degree, may be admitted to courses of study which they are competent to pursue, upon presentation of satisfactory evidence of proficiency.

Applicants for admission to the Freshman Class in Adelphi College, in any one of the three courses, must be at least fifteen years of age and be able to pass satisfactory examinations in the specified number of the following subjects:

I. English.

NOTE.—No candidate will be accepted in English whose work is notably deficient in point of spelling, punctuation, idiom, or division into paragraphs.

A. The candidate may offer preparation in the uniform college entrance requirements in English, as follows:

I. READING. The candidate will be required to present evidence of a general knowledge of the subject matter of the books here named, and to answer simple questions concerning the lives of the authors. The form of the test will usually be the writing of paragraphs upon chosen topics.

In connection with these tests the candidate may present an exercise-book, properly certified by an instructor, containing compositions or other written work done in connection with the reading of the books. The books set for this part of the examination are :

1899 : Dryden's *Palamon and Arcite* ; Pope's *Iliad*, Books I, VI, XXII, and XXIV ; The Sir Roger de Coverley Papers in the *Spectator* ; Goldsmith's *Vicar of Wakefield* ; Coleridge's *Ancient Mariner* ; De Quincey's *Flight of a Tartar Tribe* ; Cooper's *Last of the Mohicans* ; Lowell's *Vision of Sir Launfal* ; Hawthorne's *House of the Seven Gables*.

1900 : Dryden's *Palamon and Arcite* ; Pope's *Iliad*, Books I, VI, XXII, and XXIV ; The Sir Roger de Coverley Papers in the *Spectator* ; Goldsmith's *Vicar of Wakefield* ; Scott's *Ivanhoe* ; De Quincey's *Flight of a Tartar Tribe* ; Cooper's *Last of the Mohicans* ; Tennyson's *Princess* ; Lowell's *Vision of Sir Launfal*.

1901 : *Ivanhoe* ; Pope's *Iliad*, Books I, VI, XXII, and XXIV ; De Coverley Papers ; The *Vicar of Wakefield* ; The *Last of the Mohicans* ; The *Princess* ; The *Ancient Mariner* ; Silas Marner ; The *Merchant of Venice* ; The *Vision of Sir Launfal*.

2. This part of the examination presupposes a more careful study of each of the works named below. The examination will be upon subject matter, form and structure.

1899 : Shakspeare's *Macbeth* ; Milton's *Paradise Lost*, Books I and II ; Burke's *Speech on Conciliation with America* ; Carlyle's *Essay on Burns*.

1900 ; Shakspeare's *Macbeth* ; Milton's *Paradise Lost*, Books I and II ; Burke's *Speech on Conciliation with America* ; Macaulay's *Essays on Milton and Addison*.

1901 · *Macbeth* ; Burke's *Speech on Conciliation with America* ; Macaulay's *Essays on Milton and Addison* ; Milton's *Minor Poems* (*Comus*, *Lycidas*, *L'Allegro*, *Il Penseroso*).

B. In lieu of the uniform college entrance requirement in English, candidates for admission to college from the Literary Course in the Sub Collegiate Department of the Adelphi Academy will be permitted to offer the work in English in the first three years of that Department.

II. French.

A. Minimum requirement. A knowledge of fundamental principles of grammar ; as, rules for the formation of the plural and of the feminine in nouns and adjectives, the use of the articles, the place of the pronouns, and the regular and irregular verbs. Reading of two French books, as, "*Colomba*," by *Merimée* ; "*L'Abbé Constantin*," by *Halévy* ; and of two plays arranged by *Bôcher*, such as "*Mademoiselle de la Seiglière*," by *J. Sandeau* ; and "*Le roman d'un jeune homme pauvre*," by *Feuillet*. Equivalents may be offered.

B. Maximum requirement. A thorough knowledge of French grammar ; use of the tenses, rules for the subjunctive and for the past participle, government of verbs, formation of adverbs, French idioms.

Reading : "*Le Pêcheur d'Islande*," *Loti* ; "*La Mare au Diable*," *G. Sand* ; "*La Belle Nivernaise*," *Daudet* ; "*Le Curé de Tours*," *Balzac* ; "*Quatre-vingt-treize*," *V. Hugo*. Composition, based upon the books read. Ability to take part in recitations conducted in French. Equivalents may be offered.

III. German.

A. Minimum requirement. The rudiments of grammar (*Joynes-Meissner-Thomas*), including irregular verbs, elementary rules of syntax and word order. Translation at sight of German into English and English into German.

Reading : *Brandt's Reader* ; *Bernhardt*, *Novelletten* ; *Storm*, *Immensee* ; or *Riehl*, *Der Fluch der Schönheit*.

B. Maximum requirement. An accurate knowledge of the principles of grammar, embracing inflections and syntax, the composition of words, the force of prefixes and suffixes, and the relation of the English and German consonantal changes. Sight translation. Ability to take part in recitations conducted in German. Reading of the following books : *Ebers*, *Eine Frage* ; *Freitag*, *Aus dem Staate Friedrichs des Grossen* ; *Schiller*, *Wilhelm Tell* ; *Lessing*, *Minna von Barnhelm*. Composition based on the books read, or *Harris' Prose Composition*. Equivalents may be offered.

IV. Greek.

Xenophon's Anabasis, 4 books ; *Homer's Iliad*, 3 books ; sight reading ; *Woodruff's Prose composition*.

V. Latin.

Cæsar, 4 books or its equivalent ; *Cicero*, 7 orations,—the oration on the *Manilian Law* to count as two ; *Vergil, Æneid*, 6 books. Prose composition based upon *Cæsar* and *Cicero*. Sight reading.

VI. History.

A. Ancient History down to the fall of the Roman Empire in the West. Myers' text book is recommended, though not prescribed.

B. United States History.

VII. Mathematics.

A. Algebra, through Quadratics and Progressions ; Plane Geometry.

B. Advanced Algebra, or Solid Geometry.

VIII. Science.

A. Physiology, including Elementary Biological Study.

B. Elementary Chemistry.

C. Elementary Chemistry, metals and non-metals.

D. Elementary Physics ; introductory course, may be covered in four weekly exercises for one semester with laboratory practice.

E. Elementary Physics, at least one year's study, four hours weekly, with laboratory practice.

Of these subjects here numbered from I to VIII, all candidates must be prepared to pass satisfactory examinations in the following :

English, I, either A or B ; and Mathematics, VII, A, Algebra and Plane Geometry.

In addition, candidates for admission to the Classical Course must be prepared in the following subjects : Ancient History, VI, A ; Latin, V ; Greek, IV ; and either French or German, minimum requirement, II, A, or III, A.

For the Literary Course the following are the additional subjects required : Ancient History and United States History, VI, A, B ; Science, Physiology, Elementary Chemistry ; and Elementary Physics, briefer course, VIII, A, B, D ; Languages, any two of the following : French, maximum requirement, II, B ; German, maximum requirement, III, B ; Latin, V.

For the Scientific Course the additional requirements are : United States History, VI, B ; Science, Chemistry, VIII, C, and Physics, VIII, E ; Mathematics, Advanced Algebra, or Solid Geometry, VII, B ; Languages, any one of the following : Latin, V ; French, maximum requirement, II, B ; German, maximum requirement, III, B.

From fourteen to eighteen hours a week of classroom work, exclusive of laboratory hours and of time for physical culture, will be required in each of the first two years. In each of the Junior and Senior years, twelve hours a week of classroom work will be required. All choice of optional studies is subject to the approval of the Faculty.

Candidates for admission to advanced standing will be required to pass satisfactory examinations upon the work already accomplished by the class to which they wish to be assigned.

COURSES OF STUDY.

Department of English Literature.

1. ORIGINS OF MODERN ENGLISH LITERATURE Poetry and prose of England from the fourteenth century to the Elizabethan age, Chaucer's Prologue and Knight's Tale, Selections from Malory, Mandeville and Wycliffe, Spenser's Fairy Queen, Book I; Emerson's History of the English Language; Rhetoric and composition. References: Ten Brink's English Literature, Morley's English Writers, Lounsbury's English Language, Lounsbury's Chaucer, Ward's English Poets. Freshman Year, Literary and Classical Courses; first semester, four hours a week.

2. HISTORY OF ENGLISH LITERATURE AND THE ELIZABETHAN DRAMA. Survey of the literature from its beginning, together with assigned collateral readings: the plays of Shakspeare and his contemporaries. Essays. References: Stopford Brooke's English Literature, Taine's English Literature, Saintsbury's History of Elizabethan Literature, Ward's English Poets, Ward's History of English Dramatic Literature, Symonds' Shakspeare's Predecessors, Furness' Variorum Shakspeare, Rolfe's Editions of Shakspeare's Plays, the Mermaid Series of Old Dramatists. Sophomore Year, all courses, three hours a week.

3. EIGHTEENTH CENTURY LITERATURE: From Dryden to Cowper. Study of the growth and decay of the critical school and the rise of the natural school: Dryden, Pope, Addison, Steele, Johnson, Thomson, Gray, Collins, Goldsmith, Cowper, Crabbe; the novelists. Themes. References: Principally the works of the authors studied; also Gosse's History of Eighteenth Century Literature, Leslie Stephen's History of English Thought in the Eighteenth Century, William Lyon Phelps' The English Romantic Movement. Lives of the authors studied. Junior Year, Classical and Literary Courses, three hours a week.

4. EARLY NINETEENTH CENTURY LITERATURE: Burns to Keats. The Revolutionary and transcendental school. Themes. References: Principally the works of the authors studied, and their lives in the English Men of Letter Series; also Dowden's Studies in Literature, Dowden's French Revolution and English Literature, Mrs. Oliphant's Literary History of England, Saintsbury's History of Nineteenth Century Literature. Junior Year, Classical and Literary Courses, three hours a week.

NOTE.—Courses 3 and 4 will alternate at the discretion of the instructor. The two courses will not be given in one year.

5. VICTORIAN LITERATURE. A critical study of the works of the chief poets and essayists of this period. Themes. References: As in the preceding course, the most important books are the works of the authors themselves; Saintsbury's History of Nineteenth Century Literature, Stedman's Victorian Poets, Mrs. Oliphant's The Victorian Age of English Literature, Dowden's Transcripts and Studies, Morley's English Literature. Senior Year, Classical and Literary Courses, three hours a week.

Department of English Language.

9. OLD ENGLISH. Cook's First Book in Old English. Wyatt's *Béowulf*. References : Brooke's Early English Literature, Ten Brink's English Literature, Earle's The Deeds of *Béowulf*. Optional, Junior and Senior Years, alternating with Course 10.

10. MIDDLE ENGLISH: From Orm to Langland. References : Morris' Specimens of Early English, Part I; Morris' and Skeat's Specimens of Early English, Part II; Ten Brink's English Literature, Vol. II. Optional, Junior and Senior Years, alternating with Course 9.

Department of the French Language and Literature.

15. SEVENTEENTH CENTURY FRENCH LITERATURE. Lectures : Spanish and Italian influences ; rise of the French Drama ; development of the French Tragedy ; Comedy in France ; influence of the Church. Readings from the works of Corneille, Racine, Molière. Freshman year, Literary Course, four hours a week.

16. LITERATURE OF THE NINETEENTH CENTURY. Lectures : The Revolution and Empire ; the religious renaissance ; German and Italian influences ; Romanticists and Classicists. Readings from the works of Mme. de Staël, V. Hugo, Dumas, Taine. Sophomore Year, Literary Course, four hours a week.

17. LITERATURE OF THE EIGHTEENTH CENTURY. Comparative study of the literature of the Seventeenth, Eighteenth, and Nineteenth Centuries. Lectures : English influence ; Voltaire's destructive and constructive work ; the encyclopedists ; Rousseau's influence and theories of Education ; diffusion of the philosophical spirit. Collateral Readings. Junior Year, Classical and Literary Courses, three hours a week.

18. ORIGINS OF FRENCH LITERATURE. Lectures ; General view of the Sixteenth Century ; comparison of the French and Italian Renaissance ; the period of the Reformation ; French language in the Sixteenth Century. Readings from contemporary literature : Balzac, Guizot, Daudet, Loti. Senior Year, Classical and Literary Courses, three hours a week.

Students who wish to begin French after entering College will be assigned to classes in the usual introductory work.

Department of the German Language and Literature.

20. GERMAN LITERATURE OF THE EIGHTEENTH CENTURY. Ballads, Dramas (Marie Stuart, Iphigenie) prose works (*Dichtung und Wahrheit*, *Abfall der Niederlande*). Prose composition. Freshman Year, four hours a week.

21. GERMAN HISTORY AND LITERATURE OF THE EIGHTEENTH CENTURY. Emilia Galotti, Wallenstein, Egmont, Tasso, Laokoön, *Geschichte des dreissig-jährigen Krieges*. Lectures. Composition. Sophomore Year, four hours a week.

22. GERMAN HISTORY AND LITERATURE OF THE NINETEENTH CENTURY. Lectures (in German). Collateral reading of selected works of Kleist, Uhland, Grillparzer, Heine, Freytag, Scheffel and others. Essays. Junior Year, three hours a week.

23. SENIOR STUDIES. a. Lessing's Nathan, Goethe's Faust. Lectures in German. Essays. First half year.

b. Elements of Middle High German. (Wright's Primer, Paul's Grammar, Bartsch : Nibelungenlied), Lectures in German. Essays. Second half year.

Senior year, three hours a week.

Students who wish to begin German after entering College will be assigned to classes in the usual introductory work.

Department of the Greek Language and Literature.

25. ATTIC PROSE AUTHORS—SELECTIONS. References : Dyer's Apology and Crito ; Morgan's Lysias. Freshman Year, first semester, four hours a week.

26. HOMER. Later books of Iliad, selections, or Odyssey, V-VIII. References : Perrin's Odyssey, V-VIII. ; Lawton's Art and Humanity in Homer. Freshman Year, second semester, four hours a week.

27. DRAMA. One play each of Æschylus, Sophocles, Euripides, Aristophanes. Lectures. Sophomore Year, four hours a week,

28. ATTIC PROSE. Thucydides, Plato, Demosthenes, selections. References: Morris' Thucydides, I ; Towle's Protagoras ; Tarbell's Demosthenes. Junior Year, three hours a week.

29. GENERAL HISTORY OF GREEK LITERATURE, with readings from the less familiar authors. References : Jevons' History of Greek Literature, or Jebb's Spirit of Greek Literature. Senior Year, three hours a week.

Department of the Latin Language and Literature.

30. LIVY. Books I, XXI-XXII, selections. Freshman Year, Classical and Literary Courses, first semester, four hours a week.

31. HORACE. Selected epodes and odes. Autobiographical extracts from the satires and epistles, Lectures on Augustan age and Horace's life. References : Sellar's Roman Poets of the Augustan age, Martin's Horace, Shorey's Horace. Freshman Year, Classical and Literary Courses, second semester, four hours a week.

32. EARLY LATIN. Catullus and Lucretius, selections. Plautus and Terence, one play each. References : Sellar's Latin Poets of the Republic, Merrill's Catullus, Kelsey's Lucretius. Sophomore Year, Classical and Literary Courses, four hours a week.

33. SILVER LATIN. Juvenal, Pliny, Quintilian, Tacitus, selections. Junior Year, Classical and Literary Courses, three hours a week.

34. LECTURES ON THE LIFE OF THE LATIN LANGUAGE AND LITERATURE, with readings from less familiar authors and fragments of lost works. References:

Crutwell's or Tyrrell's Latin Literature, Merry's Selections from Latin Poets, Senior Year, Classical and Literary Courses, three hours a week.

35. MODERN ITALIAN. Classes to acquire a practical knowledge of this language or to study its literature can be formed as optional classes in place of any of the other modern languages in any year of the College course, or in place of the Latin of either one of the last two years. Such a class should consist of at least five students, and the choice of such an option must, as is usual in such cases, receive the approval of the Faculty.

Department of the Spanish Language, Literature, Technology and Business Training.

36. ELEMENTARY SPANISH. Grammar and its component parts; reading and writing; Mental Translation and immediate transposition of oral English; dictations into Spanish and vice versa; conversation among pupils; examinations of classes by pupils; easy compositions in Spanish, and the reading of such works as: *La España Pintoresca* by Emilia Pardo Bazán, and *Las Catacumbas de Paris*, by Elie Berthet. Four hours per week, in either Sub-Collegiate or Collegiate Department.

37. SPANISH LITERATURE (2ND YEAR COURSE). Grammatical reviews; correspondence among pupils; debates and discussions upon given or chosen subjects by pupils; examinations of classes by pupils. History of the Spanish Language. Oral sketches of Spanish history and its influence upon Europe and America. Translations from English into Spanish and vice versa, and reading of such works as: *Pepita Jiménez* by Juan Valera, and *La Campaña de Huesca* by Antonio Cánovas del Castillo. Four hours per week, as above.

38. SPECIAL BUSINESS COURSE, which may be taken instead of Course No. 37. Study of all Technical Terms; forms and manner of transacting business with Spanish countries; industrial and commercial nomenclature in Spanish, (such as is not found in any dictionary text or book of reference); business correspondence and business verbal transactions, with use of forms of book-keeping, English and Spanish abbreviations. Study of rates of exchange of gold, silver and copper coins of all Spanish speaking countries. Spanish Idioms and Colloquialisms, especially such as are in use in Spanish America. Four hours per week, as above.

Departments of History and Economics.

I. History and Politics.

40. MEDIAEVAL HISTORY. The origins and development of feudal society and institutions, the political history of Central and Southern Europe to the close of the Thirty Years' War, References: Myers' Mediaeval History, Duruy's History of the Middle Ages, Emerton's Introduction to the Middle Ages and Mediaeval Europe, "Epochs of Modern History" Series. Freshman Year, all courses, first semester, three hours a week.

41. HISTORY OF THE RENAISSANCE. A study of the social, religious, and political issues in the age of the Renaissance, the fifteenth and sixteenth centuries. References: Bryce's Holy Roman Empire, Milman's Latin Christianity, Spalding's History of the Protestant Reformation, Haeusser's Period of the Reformation. Freshman Year, all courses, second semester, three hours a week.

42. ENGLISH HISTORY. A study of political and social progress. References: Green's Shorter History of the English People, Macaulay's History, Lecky's England in the Eighteenth Century, McCarthy's History of Our Own Times. Sophomore Year, all courses, first semester, four hours a week.

43. HISTORY OF FRANCE, from the age of Richelieu to the French Revolution. The Ancient Régime and its successor. References: S. R. Gardiner's Thirty Years' War, Duruy's History of France, Airy's The English Restoration and Louis XIV., Morris' The Age of Anne, Morris' The French Revolution and First Empire, Taine's Ancient Régime and Modern Régime, Kitchin's History of France. Sophomore Year, all courses, second semester, four hours a week.

44. AMERICAN HISTORY. A topical study of American History, with a comparison of political systems. References: Fiske's Beginnings of New England, and Critical Period of American History, Schouler's History, and Wilson's The State, Hart's Epoch Series, and Scribner's American History Series. Senior Year, all courses, first semester, three hours a week.

45. HISTORY OF THE NINETEENTH CENTURY. Topical studies in modern history. The age of the establishment of parliamentary government and of racial consolidation. References: The International Statesmen Series, Müller's Political History of Recent Times, Andrews' Historical Development of Modern Europe. Senior Year, second semester, all courses, three hours a week.

46. SOCIAL HISTORY. The origin and growth of society as disclosed in the development of the family and of civil and religious institutions. Text-books: Tylor's Anthropology and Morris' Aryan Race, with readings from Lubbock, Tylor, and Giddings. Junior Year, all courses, two hours a week.

47. HISTORY OF ART. An examination into the rise and progress of Ancient and Classic Art and the evolution of the Fine Arts in modern times, illustrated by pictures, lantern slides, and collateral readings. Text book: D'Anvers' History of Art. References: Vasari's "Lives of the Painters"; Ruskin's "Modern Painters" and "Stones of Venice," with other works of reference and periodicals in the Library. Freshman Year, Classical and Literary Courses, second semester, four hours a week.

(a) *History of Painting* (twice a week).—Egyptian, Assyrian, Greek, Roman and Byzantine.

Italian Art.—Early renaissance, development and golden age.

Venetian Art.—Its growth, truth and splendor.

Art in Flanders and in Holland.—Likeness and difference.

Art in France.—Peculiar influences and steady development. The four great periods.

Art in Spain.—Mysticism and Realism.

Art in Germany.—Causes of uneven development. Early period ; late period.

Art in England.—Reasons for its late development. Tendency to social satire, portraiture and landscape.

(b)—*History of Architecture and Sculpture* (twice a week).—Egyptian and Assyrian temples, tombs and palaces. Greek temples, orders and carving. Periods of Phidias, Praxiteles and Alexander. Roman architecture : Early Christian, Byzantine and Romanesque styles. Gothic style and sculpture : Pointed arch superseding the round arch. Decadence : Renaissance architecture and sculpture.

48. THEORY OF ART AND SPECIAL STUDY OF NINETEENTH CENTURY ARTISTS. Beauty in Art. Unity, its application to expression. Principles of Construction : The lintel, column, arch. Application of Ornament, Etching, Engraving, Lithography, Perspective, Composition. The Human Form in Art. Chiaroscuro, tone, colour, value, touch. Kinds of pictures : Still life, genre, portrait, landscape, marine, devotional, historical. Critical study of contemporary artists of different nations. Junior year. Literary Course, lectures once a week.

II. Economics.

50. OUTLINES OF ECONOMICS. A general introduction to the study of Economics with the design to familiarize the student with the fundamental principles of the subject. These are examined and illustrated by reference to past and present industrial life in England and the United States. Text Book: Bullock's introduction to the Study of Economics, supplemented by collateral reading. Recitations, discussions, lectures. Junior Year, all courses, first semester, three hours a week.

51. PRACTICAL ECONOMICS. This course deals principally with problems of distribution. The leading topics are : The evolution of labor and capital ; wages ; labor organization ; arbitration and conciliation ; profit-sharing ; co-operation ; factory and other labor legislation ; the social surplus ; municipal economics ; socialism. Lectures, assigned readings, papers, discussions. Junior Year, all courses, second semester, three hours a week ; open to students who have taken course 50.

52. ECONOMIC HISTORY. A study of the evolution of industrial life, principally in England and in the United States, with references for sake of comparison to contemporary conditions on the continent of Europe. Lectures, readings, reports. References: Cunningham's Growth of English Industry and Commerce, Gibbins' History of Commerce in Europe. Toynbee's The Industrial Revolution, Ashley's Introduction to English Economic History and Theory. Senior Year, all courses, second semester, three hours a week.

Department of Philosophy.

55. LOGIC. The structure of the syllogism and its use in argumentative discourse are illustrated by a variety of practical exercises taken from Jevons' *Studies* and from other sources. Text-book : Jevons' *Lessons*, supplemented by Creighton's *Logic*. Junior Year, all courses, one half of first semester, three hours a week.

56. PSYCHOLOGY. Mental processes are analyzed with a view to ascertaining their nature and functions and the laws which govern them. Both the experimental and physiological methods are employed as an aid to introspection. Text-book : James' *Briefer Course*, supplemented by references to Sully, Dewey and Titchener. Junior Year, all courses, one half of first semester and second semester, three hours a week. The course is open only to those who have had Sophomore work in Physiology or its equivalent.

57. HISTORY OF PHILOSOPHY. A general survey of philosophical thought in ancient and modern times. Passages from the works of representative thinkers are selected for special study. References are made to Erdmann's, Falckenberg's, and Lewes' *History of Philosophy*, and to various monographs, as well as to the original sources. Senior Year, Classical and Literary Courses, first semester, three hours a week.

58. ETHICS. Discussion of various theories and their application to conduct. Text-books : Mackenzie's *Manual* and Sidgwick's *History of Ethics*. References : Especially to Mill's *Utilitarianism*, Seth's *Principles of Ethics*, Bowne's *Principles of Ethics*, and Watson's *Hedonistic Theories*. Menzies' *History of Religion* will form a part of the course. Senior Year, Classical and Literary Courses, second semester, three hours a week.

59. ELEMENTARY PSYCHOLOGY. Introduction to the study of psychology for those who have not had Course 56. Text-book : Hallock. First Year Normal and Freshman Year, Classical and Literary Courses, two hours a week.

Department of Pedagogics.

61. PRACTICE WORK. Second Year Normal, and Senior College Year, not less than fifty hours.

62. Observation work in the class-rooms of the Academy to accompany Courses No. 56, 64 and 67. Senior Year not less than fifty hours.

63. HISTORY OF EDUCATION. The aim of this course is to trace the development of educational systems in connection with the general development of civilization. A study of the Greek and Roman schools is followed by a sketch of the early Christian schools, the influence of Charlemagne and Alfred, the development of modern languages and literatures. A study of the Renaissance leads to the consideration of the new ideals in education and the history of reformers. This course includes a study of

Compayré's History of Pedagogy, Quick's Educational Reformers, Davidson's Education of the Greek People, Laurie's Life of Comenius, Laurie's Rise of the Universities, De Guimp's Life and Work of Pestalozzi, Pestalozzi's Leonard and Gertrude, Rousseau's Emile, Herbart's Science of Education.

First Year Normal, and Junior College, once a week.

64. THEORY OF EDUCATION. The aim of this course is the application to teaching of the principles developed in the courses in psychology and the history of education. A study of the best methods of developing and training attention, memory, imagination and thought. The influence of habit. A study of methodology, based on the principles of Herbart. This course includes the careful study of:

Rosenkranz's Philosophy of Education, Froëbel's Education of Man, De Garmo's Essentials of Method, Preyer's Mental Development, Blow's Symbolic Education, Froëbel's Pedagogics of the Kindergarten, Froëbel's Mother Play, Harris's Psychologic Foundations of Education.

Second Year Normal and Junior College, once a week.

65. PSYCHOLOGY FOR KINDERGARTNERS. Special studies, adapted to the needs of teachers. References: Sully's Handbook of Psychology, James' Psychology (briefer course). Second Year Normal, three hours a week.

66. FROEBEL'S PHILOSOPHY. Critical study of "The Education of Man" and of the Mutter-und Kose-Lieder. Second Year Normal, once a week.

67. METHODS OF TEACHING. McMurry's General Method—The Method of the Recitation, with special reference to the teaching of subjects of study in secondary schools. Discussion of correlation of studies. References: De Garmo's Essentials of Methods, Herbart's Psychology. Senior Year, twice a week.

Department of Chemistry.

70. ELEMENTARY CHEMISTRY. (a) *Chemistry of the non-metals*: Classification; theory of chemical nomenclature; problems; laboratory manipulations. Text-book: Remsen's Chemistry. References: Roscoe and Schorlemmer's Chemistry. Second Year, Sub-Collegiate Scientific Course, first semester, five hours a week; laboratory, two hours a week. (b) *Chemistry of the metals*: Periodic law; methods of reduction; compounds. Text-book and references same as Course (a). Second Year, Scientific Course, second semester, five hours a week; laboratory, two hours a week. Freshman Year, Classical and Literary Courses, three hours a week; laboratory, two hours a week.

71. QUALITATIVE ANALYSIS. Tests for bases and acids; analysis of simple salts; analysis of complex mixtures and commercial products. Text-book: Prescott and Johnson's Qualitative Analysis. References: Fresenius' Qualitative Analysis, Elliott's Qualitative Analysis, Wells' Tables. Freshman Year, Scientific Course, five hours a week; laboratory, three hours a week.

72. **QUANTITATIVE ANALYSIS.** Preliminary course on known substances of definite composition ; practice in methods. General course on ores and commercial products ; assays of gold, silver, and lead ores ; volumetric and electrolytic methods of analysis. Text-book : Cairns' Quantitative Analysis. References : Fresenius' Quantitative Analysis, Blair's Analysis of Iron Ores, Crookes' Select Methods, Sutton's Volumetric Analysis, Rickett's Notes on Assaying. Sophomore Year, Scientific Course, five hours a week ; laboratory, three hours a week.

73. **ORGANIC CHEMISTRY.** Methane derivatives; benzene derivatives; organic analysis ; laboratory practice in the preparation of organic substances. Text-book: Remsen's Organic Chemistry. References : Bernthsen's Organic Chemistry. Prescott's Organic Analysis, Blyth's Analysis of Foods, Wanklyn's Water Analysis. Junior Year, Scientific Course, six hours a week ; laboratory, four hours a week.

74. **TECHNICAL OR APPLIED CHEMISTRY.** Processes for the manufacture of commercial products ; advanced methods of quantitative analysis ; food analysis. References : Wagner's Chemical Technology, Watts' Dictionary of Chemistry, Thorpe's Dictionary of Chemistry, Sadtler's Industrial Organic Chemistry, Blyth's Analysis of Foods. Senior Year, Scientific Course, seven hours a week, lectures and laboratory.

Department of Mineralogy and Geology.

76. **MINERALOGY AND BLOWPIPING.** (a) *Crystallography* : Study of crystal models and natural crystals. First semester, first term, three hours a week. (b) *Blowpipe analysis* : Use of the blowpipe ; analysis of prepared mixtures. First semester, second term, three hours a week. (c) *Mineralogy* : Physical and chemical characteristics of common minerals ; determination of minerals ; second semester, three hours a week. Text-book : Moses' Mineralogy and Blowpiping. References: Plattner's Blowpipe Analysis, Williams' Crystallography, Dana's Mineralogy, Brush's Determinative Mineralogy. Senior Year, Scientific Course, three hours a week, as above ; laboratory, two hours a week.

77. **GEOLOGY.** General course; dynamic, structural, and historical. Text-book: Le Conte's Geology. References: Dana's Geology, Geikie's Geology. Winchell's Geologies. Senior Year, all courses, first semester, three hours a week.

78. **METALLURGY.** Treatment of ores by furnace, wet, and electrolytic methods. References: Bloxam's Metals, Phillips' Metallurgy, Turner's Metallurgies. Senior Year, Scientific Course, first semester, three hours a week.

79. **ECONOMIC GEOLOGY.** Distribution and utilization of ore deposits, building stone, etc. Text-book: Kemp's Ore Deposits of the U. S. Senior Year, Scientific Course, second semester, three hours a week.

Department of Physics.

80. **GENERAL COURSE.** Properties of solids, liquids and gases, and the study of sound, heat, light, and electricity: with text-book and lectures. Laboratory

course accompanying and supplementing these. Reference books: Deschanel's, Ganot's and Barker's Physics, Sabine's Laboratory Course, Zahm's Sound and Music. Junior Year, Classical and Literary Courses, three hours a week.

81. HEAT, LIGHT, AND ELECTRICITY, continuing and completing the elementary course from the Third or Fourth Sub-Collegiate Year, with laboratory work. Sophomore Year, Scientific Course, first semester, five hours a week.

82 (a) MECHANICS. Reference books: Deschanel, Vol. I; Wood's Mechanics, Sabine's Laboratory Course, with Supplementary exercises, and lectures upon methods of experimenting. (b) METEOROLOGY. Text-book: Waldo. Reference: Davies. Laboratory work in taking and reducing observations and in forecasting weather. Sophomore Year, Scientific Course, second semester, five hours a week.

83. (a) HEAT AND THE STEAM ENGINE. Reference books: Deschanel, Stewart, Kinealy. Junior Year, first semester, Scientific Course, six hours a week. (b) ELECTRICITY. Theory and Measurements. Reference books: S. P. Thomson, Stewart, and Gee-Nichols. Junior Year, second semester, Scientific Course, six hours a week.

84. TECHNICAL ELECTRICITY. The dynamo, its structure and various forms. Motors, systems of lighting and transmission of power. Senior Year, Scientific Course, seven hours a week.

85. ASTRONOMY. Descriptive, physical and historical by recitations and lectures, with study of constellations, and laboratory work on spectrum of sun. Reference books: Young's Astronomy, Clerke's History of Astronomy in the Nineteenth Century. Senior Year, all courses, second semester, three hours a week.

Department of Biology.

90. GENERAL BIOLOGY. The study of living matter and of its relations to lifeless matter. Protoplasm—The Cell. Comparative study of animals and plants by means of a number of selected types, such as *Amœba*, *Paramœcium*, *Hydra*, the earth worm, *Protococcus*, bacteria, yeast, *Nitella*, the fern. References: Sedgwick and Wilson's General Biology, Parker's Elementary Biology, Huxley and Martin. Junior Year, Scientific Course, three hours a week, with laboratory throughout the year.

91. COMPARATIVE ANATOMY AND ADVANCED PHYSIOLOGY. Dissection of Vertebrates. Comparative study of various organs. Embryology of the Chick. Careful study of the microscopic structure and mode of working of the tissues of the human body. Special attention given to the problems of metabolism, and to the development and physiology of the nervous system and its terminal organs. Reference: Foster's Physiology, Martin's Human Body. Sophomore Year, Classical and Literary Courses, three hours a week, with laboratory practice.

92. THEORETICAL BIOLOGY. The history of Biological Discovery. The Examination of philosophical problems of Biology: such as heredity, variations, animal metamorphoses, the origin of the individual, instinct and intelligence.

Readings and discussions of Darwin, Spencer, Romanes, Weismann, and similar authorities. Senior Year, three hours a week.

93. **SANITARY BIOLOGY.** Sanitation of the home ; its situation, ventilation, heating, plumbing, and drainage. Study of the physiological and chemical principles of water and foods. Food analysis ; adulterations and dietaries. Elective in the Senior Year, three hours a week.

94. **GENERAL BACTERIOLOGY.** Elective in the Senior Year, three hours a week.

Department of Mathematics.

99. **ANALYTIC GEOMETRY.** Sophomore Year, Classical and Literary Courses, two hours a week.

100. **ALGEBRA.** The binomial theorem, logarithms, permutations, combinations, chance, continued fractions, series, undetermined coefficients, elementary theory of equations, solution of numerical equations, and the elementary theory of determinants. Text-book : Hall and Knight, revised by Sevenoak. Freshman Year, Scientific and Classical Courses, nine weeks, four hours a week ; Literary Course, (elective) first semester four hours a week.

101. **SOLID GEOMETRY.** The usual demonstrative work, with numerical applications of the formulas derived. Text-book : Byerly's Chauvenet. Freshman Year, Classical and Literary Courses, (elective) eleven weeks, four hours a week.

102. **PLANE TRIGONOMETRY.** Geometrical and analytical derivation of formulas ; solution of triangles with use of logarithms ; applications to measurement of heights and distances. Text-book : Bowser. Freshman Year, Classical and Scientific Courses (required) and Literary Course (elective), eight weeks, four hours a week.

103. **SPHERICAL TRIGONOMETRY.** Derivation of formulas and solution of spherical triangles. Text-book : Bowser. Freshman Year, Scientific Course, six weeks, four hours a week

104. **ANALYTIC GEOMETRY.** The equations of the straight line, circle, parabola, ellipse, hyperbola, and a few of the simpler higher plane curves, with an introduction to Solid Analytic Geometry. Text book : Bowser. Sophomore Year, Scientific (required) and Classical and Literary Courses, (elective) twenty-two weeks, four hours a week.

105. **THE DIFFERENTIAL AND INTEGRAL CALCULUS.** Simple and successive differentiation of functions, expansion of functions in series, evaluation of indeterminate forms, curve tracing, evaluation of maxima and minima, calculation of areas and volumes of solids of revolution, solution of simple differential equations. Text-book: Osborne, supplemented by lectures on the theory of functions. Sophomore Year, fifteen weeks ; Junior Year, first semester, Scientific Course. three hours a week.

106. **DESCRIPTIVE GEOMETRY.** Orthographic projection of points, lines and surfaces, the intersection of lines and surfaces, spherical projections, shades and

shadows, linear perspective, isometric projections. Text-book: Church. Sophomore Year, Scientific Course, two hours a week.

107. MECHANICAL DRAWING. Freehand drawing, construction of problems in Geometry, orthographic and isometric projections, plans, sections, and elevations of machines and architectural parts. blue prints, lettering, plotting of surveys, topographical sketches, coloring and shading; development of problems involving the principles of Descriptive Geometry, including shades and shadows, and perspective. Freshman and Sophomore Years, Scientific Course, two hours a week.

108. GRAPHICAL MECHANICS, with an introduction to machine design. Senior Year, Scientific Course.

109 SURVEYING Recitations and lectures on the principles and practice of surveying, adjustment of instruments, practice surveys, levels, and topographical work, computations based upon data thus derived. Freshman Year, Scientific Course, nine weeks, four hours a week

110. ANALYTIC MECHANICS. Composition and resolution of forces, center of gravity, friction, virtual velocities, machines, laws of motion, central forces, constrained motion, impact, work and energy, moment of inertia, rotary motion. Text-book: Bowser. Junior Year, Scientific Course, three hours a week.

111 ADVANCED MATHEMATICAL ELECTIVES. Under the usual conditions governing elective studies, courses may be obtained by students having the requisite preparation in Higher Algebra, Modern Geometry, Advanced Analytic Geometry, and Vector Analysis. The present year a course of lectures is being given to teachers and advanced students on the Theory of Functions.

112. THE MATHEMATICAL CLUB. This is an organization of teachers and advanced students formed for the purpose of mutual help in mathematical investigation, and as an incentive to original work. The Club meets every fortnight. Papers are read by the members and discussions follow.

THE MATHEMATICAL LIBRARY contains standard works of reference on all the courses and is easily accessible to the students.

CONSPECTUS OF COLLEGIATE STUDIES.

In the first two years of the Classical and Literary Courses, from 14 to 18 hours of class-room work per week will be required, exclusive of laboratory time and of one hour weekly devoted to physical culture.

Students in the Scientific Course who wish to make a more technical study of the Sciences than here outlined, will be permitted to do so under the advice and direction of the Faculty. Arabic numerals indicate the number of the Course in "Courses of Study." *q.v.*

Freshman.

Classical.	Weekly Recit's	Literary.	Weekly Recit's	Scientific.	Weekly Recit's
Two Languages, Greek and Latin, 25, 26, 30, 31. Mediaeval Hist. and History of Renaissance and Reformation, 40, 41. }	VIII. } III. }	English Lit. 1. 1st sem. } Hist. of Art, 47, 2d sem. } Mediaeval Hist. and } History of Renaissance } and Reformation, 40, 41. } Chemistry, 70. a. & b. }	IV. } III. } III. }	1 Language, 15, 20, 30, 31, 35, 36. } Mediaeval Hist. and } History of Renaissance } and Reformation, 40, 41. } Chemistry, 71. } Math. 100, 102, 103, 107, 109 } Mech. Drawing. }	IV. } III. } V. } IV. } II. }
OPTIONS : 1. Eng. Lit. 1. 1st sem. } Hist. of Art, 47, 2d sem. } 2. Mathematics, 100, 101, 102 } 3. Chemistry, 70. a. & b. } 4. El. Psychology, 59. }	IV. } IV. } III. } II. }	OPTIONS : 1. Mathematics, 100, 101, 102 } 2, 3. Two Languages, 15, } 20, 30, 31, 35, 36. } 4. El. Psychology, 59. }	either } II or III. } each IV } II }		

Sophomore.

One Language, Greek or Latin, 27, 32. English Lit. 2. Hist. of England and France, 42, 43. }	IV. } III. } IV. }	English Literature 2. History of England and France, 42, 43. Biology, 91. }	III. } IV. } III. }	One Language, 16, 21, 32, 36, 37, 38. English Literature, 2 Physics, 81, 82. a. & b. Mathematics, 104, 105, 106, 107. }	IV. } III. } V. } IV. }
OPTIONS : 1. Biology, 91. } 2. Mathematics, 99, 104. } 3. One Language, Greek or Latin, 27, 32. }	III. } either } II. or IV. } IV. }	OPTIONS : 1. Mathematics, 99, 104. } 2, 3. Two Languages, 16, } 21, 32, 36, 37, 38. }	either } II or IV } each IV }	OPTIONS : 1. Chemistry, 72. } 2. History of England } and France, 42, 43. } Not more than one can be chosen. }	V. } IV. }

Same for both Classical and Literary Courses.

Junior.

Scientific.

Logic and Psychology, 55, 56. Pol. Economy, 50, 51. }	III. } III. }	Biology, 90 } Pol. Econ. 50, 51. }	III. } III. }
OPTIONS : 1. Eng. Literature, 3, 4. } 2. Lectures on Art, 48. } 3 and 4. Two Languages, 15, 17, 20, 22, 28, 33, 35, 38. } 5. History and Theory of Education, 63, 64. } 6. Physics, 80. } 7. Early English, 9. } 8. Social History, 46. } From six to nine hours should be chosen. }	III. } I. } VI. } III. } III. } II. }	OPTIONS : 1. Mathematics, 105, 110, 111. } 2. Logic and Psychology, 55, 56. } 3. Chemistry, 73. } 4. Physics, 83, a. & b. } 5. Language, 17, 22, 33, 35. } 6. Social History, 46. } Three subjects should be chosen, one of which must be either Chemistry or Physics }	III. } III. } VI. } VI. } III. } II. }

Same for both Classical and Literary Courses.

Senior.

Scientific.

Philosophy and Ethics, 57, 58. }	III. }	Geol. 77, and Astron. 85. }	III. }
OPTIONS : 1. Biology, 92, 93, 94. } 2. English Literature, 4, 5. } 3. * U. S. Hist. 44, 1st sem. } 4. Mod. Hist. 45, 2nd sem. } 5. Geol. 77, and Astron. 85. } 6 and 7. Two Languages, 16, 18, 21, 23, 29, 34, 35, 38. } 8 and 9. Pedagogics, 61, 62, 67. } 10. Early English, 10. } 11. Economic History, 52, 2d sem. } From nine to twelve hours should be chosen. }	III. } III. } III. } III. } III. } VI. } VI. } VI. } III. }	OPTIONS : 1. Economic History, 52, 2d sem. } 2. Mineralogy, 76. } 3. * U. S. Hist. 44, 1st sem. } 4. Mod. Hist. 45, 2d sem. } 5. Elec. Technics, 84. } 6. Mathematics, 108, 111, 112. } 7. Metallurgy, 78, 1st sem. } 8. Economic Geology, 79, 2d sem. } Three subjects should be chosen, one of which must be either Chemistry or Electricity. }	III. } III. } III. } III. } VII } VII } III. } III. }

TEACHERS' COURSES IN ADELPHI COLLEGE.

1. Teachers and other mature persons whose qualifications are approved by the Faculty may present themselves for admission to the Teachers' Courses in Adelphi College by taking the regular entrance examinations in June or September, or by submitting to the judgment of the Faculty any diplomas, certificates, or other official evidences of scholastic work done. Such students, when admitted to the College, shall be enrolled in the Bursar's office as matriculated students, and upon payment of the prescribed matriculation fee, they shall be eligible for admission to class-work.

2. Teachers of three years' experience in the High Schools of New York City, or teachers who have taught three years in the Public Schools of New York City under a Grade A certificate, may be excused from entrance examinations in History, Physiology, and Mathematics.

3. Teachers who have been in active service for at least three years shall not be required to pass entrance examinations in English, except in composition.

4. Teachers who have satisfied the requirements for admission in some subjects but not in others may, nevertheless, at the discretion of the Faculty, be admitted, before matriculation, to College classes, as special students in the subjects in which they have completed their preparation.

5. Teachers and other mature persons not candidates for a degree may be admitted to Teachers' Courses as special students upon the approval of the Faculty and the instructor in charge.

6. The courses for the especial benefit of teachers consist chiefly of afternoon, evening, and Saturday morning class-exercises in the prescribed studies of the College curriculum. These courses are classified as either Direction Courses or Residence Courses. In a Direction Course the student, by order of the Faculty, is assigned to the care of a member of the Faculty and studies under his advice and direction, receiving frequent written tests throughout the semester, or year, and submitting to a final examination upon all the work of the Course. Direction Courses will be more often permitted in the prescribed studies of the Freshman and Sophomore years. Residence Courses will be conducted by the various departments for afternoon, evening, or Saturday morning classes as time and opportunity permit. Such courses will consist of at least two one-and-one-half hour exercises a week for thirty weeks or, in case of a semestrial study, for fifteen weeks. Scientific studies involving laboratory work must, unless otherwise ordered by the Faculty, be studied in residence at the Adelphi. If expenditures in a laboratory course for apparatus and materials shall, for any student, amount to more than the prescribed laboratory fee, the amount in excess may be charged to that student by the Bursar.

7. Teachers who wish to obtain a degree from Adelphi College must complete the prescribed curriculum in one of the three College courses—*i. e.*, the Classical,

the Literary, or the Scientific—and must spend at least one year as a student, devoting full time to study in Adelphi College, or must take at least eight Residence Courses in Adelphi College. No student who is actively engaged in teaching will be permitted to study more than two subjects in the Teachers' Courses at one time, except by special permission from the Faculty.

8. All examinations will be held at the usual time in June or September, or in the last week of the first semester. Special examinations may not be held unless by consent of the Faculty and subject to the conditions prescribed by the Bursar.

9. Except by special consent of the Faculty, no instructor shall conduct a class in the Teachers' Courses unless at least five pupils apply for admission thereto.

10. The Faculty will accept properly authenticated certificates of any work done within the class-rooms of any other college, and certificates of a similar nature concerning work done in summer schools will also receive consideration. Certificates issued by private tutors will not be accepted unless it is so ordered by the Faculty upon the recommendation of the heads of departments whose subjects may be included in the certificate.

11. An application to be admitted, upon certificate, to Adelphi College in its Teachers' Courses as a candidate for a degree, should be presented, together with certificates, to the Faculty before June 15th or October 8th in each year. Applications for either Residence or Direction Courses should be filed with the Registrar on or before the same dates. Communications concerning the studies should be addressed to Prest. C. H. Levermore, Adelphi College. Business communications should be addressed to the Bursar.

12. In accordance with the terms of the circular issued by the City Superintendent of Schools, under date of June 24th, 1898, and specifying the requirements for a teachers' license No. 2, or Grade A, and for Head of Department licenses, the courses of instruction offered by Adelphi College in its various departments present to teachers a favorable opportunity for performing the work necessary in order to obtain either one of those certificates. For these purposes the City Superintendent approves all college classes excepting those which may be engaged upon the elementary study of a language.

13. The following Residence Courses for teachers have been conducted during the present year, 1898-'99:

COLLEGE COURSES.

SUBJECT.	TEACHER.	DAYS.	HOUR OF BEGINNING.
1. English Literature (Freshman)	Miss Buckingham.	Tues. and Fri.	4.00 P. M.
2. French (Freshman).	Prof. Scharff.	Mon. and Thurs.	4.00 P. M.
3. Latin (Freshman).	Prof. Sanford.	Tues. and Fri.	7.15 P. M.
4. Philosophy and Ethics (Senior).	Prof. Osborn.	Wed.	4.15 P. M.
5. Biology (Freshman).	Prof. Gaines.	Sat.	9.00 A. M.

Elementary Language Courses, Either Preparatory or Collegiate.

1. French.	Miss Charvet.	Mon. and Thurs. 4.00 P. M.
2. German.	Mrs. Reiner.	Wed. and Fri. 4.00 P. M.
3. Greek.	Prof. Lawton.	Sat. 9.00 A. M.
4. Latin.	Mr. Keep.	Mon. and Thurs. 7.30 P. M.

14. Among the courses that will be offered to teachers for the next year, 1899-1900, the following may be now announced :

1. English Literature, *Sophomore and Freshman*. The literature of the Elizabethan Age.....Miss Buckingham.
2. Biology, *Freshman*.....Prof. Gaines.
3. Chemistry, *Freshman*.....—
4. Economics, *Junior*.....Prof. Shepherd.
5. History, Mediæval History, 1st semester; and History of Renaissance and Reformation, 2d semester, *Freshman*...Prof. Fradenburgh.
6. French, *Junior*.....Prof. Scharff.
7. French, *Sophomore*.....Prof. Scharff.
8. French, *Freshman*.....Miss Charvet.
9. German, *Freshman*.....Prof. Blau.
10. Greek, Odyssey, Plato, *Freshman*.....Prof. Lawton.
11. Latin, the comedies, Catullus, Lucretius, *Sophomore*.....Prof. Sanford.
12. Latin, Horace, Livy, *Freshman*.....Prof. Sanford.
13. Logic, 1st semester, *Junior*, once weekly.....Prof. Osborn.
14. History of Philosophy, 2d semester, *Senior*, once weekly.....Prof. Osborn.
15. Mathematics. (a) Modern Algebra.....Prof. Bowden.
(b) Mechanical Drawing, once weekly.....Mr. Allen.
(c) Trigonometry, once weekly.....Mr. Allen.
(d) Analytical Geometry, once weekly.....—
16. Physics, *Junior*.....Prof. Peckham.

Preparatory Courses.

1. French, Elementary.....Miss Charvet.
2. German, Preparatory.....Fr. Reiner.
3. German, Elementary.....—
4. Latin, Preparatory.....Mr. Keep.

These courses will begin soon after Oct. 1st, 1899. The time of recitation is to be determined by the convenience of both students and teachers.

THE ADELPHI NORMAL COURSE, OR TRAINING CLASS FOR KINDERGARTNERS.

The Adelphi Training Class combines the advantages of practice in the excellent Kindergarten of the Academy with the same instruction in art, science, music, physical culture, psychology, pedagogics, and history that is offered to the College classes. The course extends through two years. Candidates for admission must

be at least eighteen years of age, must have had either a high-school training or its equivalent, and must satisfy the Director that they are competent to study kindergartening with prospect of success. Students who complete the full course and give satisfactory proof of proficiency and ability will receive a diploma certifying to their attainments. This Course has the approval of the State Department of Public Instruction.

Course of Study for the Kindergarten Training Class.

1st Year.	2d Year.
The First Six Kindergarten Gifts. Clay Modeling, } Paper Folding, } Parquetry, } Mat Weaving, } Sewing, } Kindergarten Occupations. Elementary Psychology. Free-Hand Drawing and Color Work. History and Theory of Education. Lectures on the History of Art (optional). Kindergarten Drawing. Music—voice culture. Zoölogy and Botany. Physical Culture	The Last Seven Kindergarten Gifts. Slat Interlacing, } Paper Interlacing, } Paper Cutting, } Peas Work, } Card Modeling, } Coloring, } Kindergarten Occupations. Lectures on the History of Art (optional). Music—voice culture. Physical Culture. Study of Froebel's "Education of Man." Mutter und Kose-Lieder. Theory and History of Education. Psychology.

Candidates for admission who cannot present the required certificates must be prepared to pass examinations in the following subjects: English (Grammar, Rhetoric, and Literature—the college entrance requirements for the year or their equivalent), General History, Physiology and Plane Geometry. After Oct. 1st, 1899, the requirement will also include Physics, and three years' study of a language other than English.

Candidates may present themselves for examination in either June or September at the time of Adelphi College entrance examinations, as stated in the College calendar. Applications for admission to these examinations should be made at least one week before the date of the examinations, to

"THE DIRECTOR OF THE KINDERGARTEN,

"Adelphi Academy,

"Brooklyn, N. Y."

Terms: The fee for instruction in the Kindergarten Training Class is \$100 per annum. There are no extra charges.

THE ART DEPARTMENT.

Drawing is rightly a part of the education of every man and woman. A knowledge of it may always be turned to account, especially in these days when there is so large a demand for decorative work and applied art. There is no other study, regarded in the light of training that so inculcates the power and habit of observation, that so fosters accuracy, or tends more surely to correct those errors of sight, and incidentally of judgment, that arise from inapt seeing. Nor does any study prove to be of greater service to the student in after life, even though he pursues a vocation that is far removed from art. Pictures are the universal language, and the ability to make them, slight though it may be, is one that confers a distinct practical advantage on the individual, while it is of yet higher service in purifying his pleasures and raising the standard of his tastes.

Drawing has a place in every year of the curriculum of the Academy. In the primary grades it has a solid basis in the manual training course, with which it is properly joined. The manual training work-rooms are two in number, one for younger pupils and one for students who are old enough for bench work and carving. In the higher grammar grades and in the collegiate department free-hand drawing may be continuously studied, either as required or optional work. In addition to the facilities offered to the students in the regular courses of study, every possible advantage is secured to those who wish to devote themselves exclusively to the study of art.

The whole of the upper story of the Collegiate Building is devoted to the Art Department. There is a spacious studio, which is furnished with full and half-sized statues, large and small torsos, busts, masks, and reliefs. There is also a large room for classes in drawing and painting from life. Besides, there are three rooms: for modeling, for the making of casts, and for the use of small classes.

The special student entering the Art Department is independent of the academic branches of the school, and there are no restrictions as to age. One may choose, according to predilection or ability, between the antique, still life, portrait, figure, charcoal, pastel, oil and water color, or he may include all in his studies for which he finds time.

Students in this Department are admitted to all the privileges of the College Library and Reading-room.

It is hardly needful to cite the success which has come to many of our painters, sculptors, and illustrators from the training and criticism they received in this school. It is enough merely to name among its graduates such well-known artists as William Ordway Partridge, Frank M. Boggs, Wilson De Meza, Albert P. Lucas, Orrin W. Simons, Harry Roseland, Hugh Eaton, W. E. Plympton, Phoebe Bunker, Eleanor Bannister, Mrs. G. D. Stearns, Gerald L. Steenks, Carrie L. Carter, Mrs. A. W. Bailey, M. R. Dixon, Alice Lovett, C. A. Burlingame, and Joseph H. Boston.



THE ADELPHI ACADEMY.

I. Departments of the Academy.—The Adelphi Academy provides the means for a thorough and systematic education from the very beginning of school life to the time when the student is either equipped for the active work of the larger world outside of school walls, or is ready to enter upon the special training of university studies. The Academy intends, therefore, to present a complete school system in one group of buildings, and consequently to give its students the impress of a uniform educational policy and of an unbroken educational development.

There are seven divisions of the Academy: The Kindergarten, the Primary Department, the Grammar Department, the Sub-Collegiate Department, the Collegiate Department, the Department of Physical Culture and the Art School.

The Kindergarten Course may extend through three years. It forms an admirable preparation for the work of the primary grades. A training-class for teachers, strictly limited in numbers, is maintained in connection with the Kindergarten. Into the Kindergarten itself children who are four years old may be admitted. They have careful attention from the time of reaching the building until they leave, and are trained by the most approved methods. They are kept quite separate from the main body of students. The hours of session are from 9 A.M. to 12 M. Parents of the pupils are at all times welcome to the Kindergarten rooms. Other visitors are requested to apply for admission in the Bursar's office.

The Primary and Grammar Departments comprise eight classes, or grades, each one year in duration. Pupils may be admitted to the Primary Department who have attained the age of six years. The first four years of study form the Pri-

mary Department. Manual Training and either German or French are offered in this department. The last four years comprise the usual grammar-school course. Latin may be begun in the third year of the latter course. Rooms and hours of the school session in this department are arranged, as far as possible, so that pupils of the four primary grades may not come in contact with other classes.

The Sub-Collegiate Department continues the more advanced preparatory school work, or carries the usual studies of the high school curriculum through either three or four years up to the entrance to the Collegiate Department.

In the Sub-Collegiate Department the Classical Course affords a thorough preparation for Adelphi or any other college; the Literary Course offers a comprehensive, liberal training suitable for a general education or for preparation for admission to the Literary Course in Adelphi College or to professional schools; the Scientific Course prepares for a business career or for admission to the Adelphi College Scientific Course, or to any scientific or technical school. During the first three years of study in this department the student in any course may enter a sequence of options in Commercial Studies, intended to prepare the pupil particularly for the problems of a business career.

Colleges and universities which accept any certificates for preparatory work will honor the certificate of the Adelphi Academy.

The Collegiate Department of the Academy, as distinct from the College, comprises two years of study in any one of these three courses. These two years, called the Fourth and Fifth, respectively, are usually identical with the Freshman and Sophomore years of the Adelphi College curriculum. Elective studies may be chosen in any of these courses, subject to the approval of the Faculty.

The diploma of the Academy is given to every student who completes any one of these prescribed courses to the end

of the Fifth, or Sophomore, year. If any regular student in the Sub-Collegiate Department prepares there for another college or university, the diploma of the Academy may be granted to him or her in due course, upon evidence that an equivalent of the remaining work in the Adelphi curriculum has been satisfactorily performed in the class-rooms of such a college or university.

The Department of Physical Culture offers facilities for outdoor and indoor exercise of all kinds and grades. From the beginning of the Adelphi Academy this department has performed an important and prominent work in it. The privileges of this department are extended to all students in the Academy. All students as far as the end of the Sixth Grammar Grade are required to join Calisthenic classes. All students above that grade may enter the Gymnastic classes.

II. Admission of Students.—Applications for admission should be made on June 15, or 16, 1899, or on September 13, 14, and 15, 1899, at the Academy. Newly admitted students are finally graded by the evidence of their daily work in class during the weeks immediately following their admission. Pupils from any other schools applying for admission to the Adelphi Academy should, if possible, present records of rank and latest promotion in the schools which they have been attending. Admission at any time is granted to those who can show evidence of ability to take up the work of any class.

Persons who wish to enter the Adelphi for the purpose of studying special subjects must give satisfactory evidence of ability to pursue such studies, and must conform to all rules of order prescribed for those in the regular courses. The privilege of pursuing special subjects will be withdrawn from all who fail to comply with such regulations.

III. Attendance and Discipline.—Pupils who have been absent or tardy are expected to state the reason therefor promptly to the teacher in charge of the room. If no reason for absence or tardiness is known to the teacher, or the reason given seems insufficient, notice of such absence or tardiness is sent home. Written excuses signed by the parent are not necessary unless specially requested. It is only desired that parents should know the testimony of the roll books, and should co-operate with the teachers in correcting any possible carelessness or delinquency. Students who persist in wrong conduct or who fail in diligence will be carefully and kindly warned of the consequences of wrong-doing or of indolence. Parents will also be notified of such deficiencies by the periodical reports or

by special information. Students who are disobedient or wilfully inattentive after warnings will be excluded from the Academy.

Every student in the Academy is assigned to a teacher, who exercises careful and constant supervision. In the Sub-Collegiate and Collegiate Departments such teachers are called "Class-Advisers."

It is hoped that parents will become acquainted with the teachers who have charge of their children. It is particularly desired that parents should keep the Principal and the class officers in the Faculty informed concerning the nature and extent of the pupil's home study. At the close of each daily session there is opportunity for conference between parents and teachers, but such interviews should not occur during the school session.

Time is allowed in every class for some daily study in school hours. Teachers will remain after the close of a day's session for the purpose of aiding those who deserve and need help. Members of the more advanced classes are expected to study at home daily from one to two and one-half hours, according to age and capacity. Every student who is able to pursue a regular course of study is expected to do so.

IV. Records of Rank.—For the students below the Collegiate Department of the Academy reports are made monthly to the parents, showing the scholarship, punctuality, and conduct of each pupil. Parents are requested to examine these reports regularly, sign them promptly, and return them to the Academy. A half-yearly estimate based upon these reports is kept as a permanent record. In the Collegiate Department similar reports are prepared and sent home at any time if the Faculty orders it or if the parent requests it.

The reports of class-work, which are presented to the Faculties weekly throughout the year, are made the basis of the final record of scholarship in any subject. Formal examinations at the end of work upon any subject are given only to students who have been absent from the class for some portion of the time and to those who have been delinquent.

Students who fail to do satisfactory work may, at the discretion of the Faculty, be required to discontinue a study at any time, to make up deficiencies after the close of the school year if possible, and to present themselves for "Condition Examinations" in June or September. The promotion of each student from one year to another is determined by the Faculty of the department or grade to which the student belongs.

V. Honors, Scholarships, and Prizes.—Students in the Academy above the Primary Department, pursuing a regular course of study, who have a record of highly creditable work and of constant attendance, and whose conduct has been satisfactory, will receive honorary certificates at the close of the year.

In the Primary Department, prizes are annually bestowed in June for excellence in attendance and deportment throughout the year.

The "Charles Pratt Scholarship," the "Hayden W. Wheeler Scholarship," the "E. F. de Selding Scholarship," the "W. S. Woodward Scholarship," and the

"Harold Dollner Scholarship," insuring, to students who maintain a satisfactory standing, free tuition in the Sub-Collegiate and Collegiate Departments of the Academy, are given annually to such fit persons as may be qualified to enter the First Sub-Collegiate Class, and may be nominated by the President of the Board, Hayden W. Wheeler, E. F. de Selding, Mrs. W. S. Woodward, and the Treasurer of the Board, respectively.

Scholars whose record has been and is entirely satisfactory, but who find themselves prevented by lack of means from continuing their education, are invited to consult with the Principal concerning the possibility of making such arrangements as will enable them to go on with their studies. So far as the resources of the Academy may permit, it is the intention to extend a helping hand to every worthy student who may need assistance.

Applications for scholarships must be renewed each year, and incumbents will be reappointed only in case that their record has been satisfactory.

By gift from Charles Pratt, the income of \$1,000 is applied annually to prizes for improvement in penmanship. These prizes are open to students on full course in all departments. The same benefactor also established a fund to encourage good reading and elocution. The income is applied to awards for those who have made the most improvement during the year, and also to the providing of new matter for supplementary reading.

The late Mr. George Barlow gave to the Adelphi in December, 1897, a fund of \$5,000. to be called the George Francis Barlow Fund, in memory of the donor's son, who graduated from the Academy at the head of his class in 1878. The income from this fund is to be expended annually for the benefit of Adelphi College under the direction of the Faculty. The George Francis Barlow Medal or Medals are bestowed in June of each year upon the student or students in the Sophomore class who have attained the highest rank in all the studies of the first two college years. The medals may be three in number, one for each college course. No medal is awarded, however, in any course unless there is a scholar in that course and in the Sophomore year who satisfies all the conditions prescribed by the Faculty and who is approved by that body. The medal or medals are presented to the winner or winners at the College Commencement.

VI. By arrangement with the officers of the Brooklyn Rapid Transit Company, special cars are run from the Park Slope and from the Eastern District to the Adelphi, so that scholars may ride without change and for one fare. The Park Slope car leaves Ninth Ave. and Twentieth St. on the morning of each school day at 8.17, and proceeds along Ninth Ave. to Flatbush Ave. to Fulton St. to Greene Ave. and St. James Place. Returning it leaves the latter corner at 1.10 P. M. The Eastern District car leaves Broadway Ferry at 8.20 A. M., and runs by way of Nostrand and Gates Aves. to Greene. Returning it leaves Greene Ave. and St. James Place at 1.10 P. M. Time tables for these routes can be procured at the Bursar's office, in the Adelphi.

CONSPICUOUS OF ACADEMIC STUDIES AND COURSES.

THE KINDERGARTEN.

1. The Songs and Games of the Kindergarten introduce the study of Natural Science, stimulating the imagination, developing a sympathy with nature, and suggesting the highest ideals in thought and action.
 2. The Gifts form the basis of Mathematical Science, illustrating the solid, surface, line, and point. The pupil acquires from the Gifts a knowledge of geometric forms and different combinations of number.
 3. The Occupations apply to the principles that underlie the Gifts, and cultivate a taste for the beautiful in form and color, training the eye and hand to work in unison with the mind; learning comes by doing. Color music is used, including also exercises in breathing.
- The Kindergarten training seeks to develop inventiveness, thoroughness, sympathy and generosity, power of concentration and power of language and reason. The right beginning is half the battle.

THE PRIMARY DEPARTMENT.

A transition year for pupils who are passing from the kindergarten to the work of the primary grades. Pupils learn to read and write, and receive instruction in elementary number work. In addition there is advanced kindergarten work in drawing, modelling, and observation lessons.

	I. Language.	II. Geography and History.	III. Science Study.	IV. Number Work.
<i>Two Year's Course.</i> Sessions 9 to 12 o'clock.	1. English Words and Sentences. Phonic Analysis. Story Telling. Script Readers. Spelling. 15 periods a week.	Natural Features, Stories, and Conversation; included in (1).	Color. Outline. Size. Divisions: Mineral, Vegetable, Animal. The Succession of Seasons. Weather. 4 periods a week.	Numeration. The Four Fundamentals. Units of Measure, Weight, Space. United States Money. Fractional Parts. 7 periods a week.
<i>1st Grade.</i> Session 8.50 to 10 o'clock. Periods arranged on half-hour basis.	1. English.—As before. Nature Readers, Spelling and Punctuation. 10 periods a week. 2. French or German.—Conversation. 5 periods a week.	Points of Compass, facts of Climate, the world and its hemispheres. Physical Geography of the continents begun with North America. 4 periods a week. Stories of typical characters; included in (1).	Talks upon Climate and the care of the Human Body. 2 periods a week.	As before. 6 periods a week.
<i>2d Grade.</i> Sessions and periods as above.	1. English.—Spelling, Written and oral. Nature Readers, Geography Readers, History Readers. Hyde No. 1. 9 periods a week. 2. French or German.—Conversation and Reading. 4 periods a week.	Complete foregoing study of continents. Study of United States begun. Geography Readers. 4 periods a week. Reading books in American History.	Elementary Science and Natural History. Flora and Fauna of United States. 2 periods a week.	As before, to the beginning of the development of Fractions. 6 periods a week.

Penmanship, Singing, Drawing, and Manual Training, Calisthenics in each grade, all together, from 7 to 10 periods per week. It is intended that the modern language chosen in the 2d Grade shall be continued to the end of the Grammar Department, or until Latin is begun in the 6th Grade.

THE GRAMMAR DEPARTMENT.

	I. Language.	II. Geography and History.	III. Science Study.	IV. Mathematics.
4th Grade. Sessions 8:50 to 12 and 1 to 2:30. Periods on 40-min. basis.	1. English.—Oral and Written Exercises, Spelling. Readers as before. 9 periods a week. 2. French or German.—4 periods a week.	Political and Descriptive of North and South America. 4 periods a week. Readings in American History.	Zoölogy and Botany of America. 2 periods a week.	As before. Fractions, Factoring, Decimals, Compound Quantities 5 periods a week.
5th Grade. Sessions and periods as above.	1. English.—Grammatical Structuring, Spelling, Abstracts of Reading, Composition. Read as before. 8 periods a week. 2. French or German.—4 periods a week.	Europe and Asia. 4 periods a week. Historical Readers included in (1). General History.	Zoölogy and Botany of Europe and Asia. 2 periods a week.	Decimals, Percentage 5 periods a week.
6th Grade. Sessions 8:50 to 12 and 1 to 2:40. Periods as above.	1. English.—Read as before. Grammar, Analysis of sentences. 5 periods a week. 2. German.—4 periods a week. 3. French.—4 periods a week. 4. Latin.—Oral practice. Lesson Book. 5 periods a week <i>Of 2, 3, and 4, one should be chosen.</i>	Asia, Africa, Australia, Polynesia. 4 periods a week. History of the English race Historical Readers included in (1).	Zoölogy and Botany of Asia, Africa, and Australasia. 2 periods a week. Physiology and Hygiene, lectures, once as week.	Percentage, Review, 5 periods a week.
7th Grade. Sessions and periods as above.	1. English.—Grammar, Etymology, Selected Literature, Composition. 5 periods a week. 2. German.—4 periods a week. 3. French.—4 periods a week. 4. Latin.—5 periods a week <i>Of 2, 3, and 4, one should be chosen.</i>	History of the English race. 1st Sem. 4 periods a week. Geography. Reviews. 2d Semester. 4 periods a week.	Physical Geography with the Geographical Reviews, 2d Semester. Physiology and Hygiene, lectures, once a week.	Arithmetic Completed, with Reviews and Elementary Algebra. 5 periods a week. Book-keeping optional

Singing and Calisthenics required to end of 6th Grade. 7th Grade pupils regularly admitted to afternoon Gymnasium classes. Drawing and Manual Training required to end of 5th Grade; afterward choice required between Free-hand Drawing and Bench-Work with Wood-Carving. Penmanship and Elocution required in all grades.

THE SUB-COLLEGIATE CURRICULUM.

First Year.

Classical.	Weekly Recits. Periods	Literary.	Weekly Recits. Periods	Scientific.	Weekly Recits. Periods	4 Yrs. Course.	Weekly Recits. Periods
Two Langs. Algebra Anc. History, 1st. sem. Eng. Lit., 2d sem.	VIII. V. V.	Two Langs. Algebra. Anc. History, 1st. sem. Biol., 2d. sem.	VIII. V. V.	One Lang. Algebra. Anc Hist. 1st sem. Biol., 2d sem. English Lit	IV. V. V. IV.	One Lang. Anc. History, 1st sem. Biol. 2d sem. English Lit.	IV. V. IV.
				COMMERCIAL OPTIONS: 1. Bookkeep'g 2. Business Arithmetic In place of Biol. 2d sem.	II. IV.	OPTIONS: Drawing and Painting. Music. COMMERCIAL OPTIONS: as in Sci. Course.	

Second Year.

Two Langs. Geometry. English Lit.	VIII. V. IV.	Two Langs. English Lit. Physics, 1st sem. Geom., 2d sem. Chem. Lect.	VIII. IV. IV. I.	One Lang. Geometry. Eng. Lit., 1st sem. U.S. Hist. and Civics, 2d sem. Chemistry.	IV. V. IV. V.	Two Langs. Algebra.	VIII. V.
OPTIONS: 1. Third Lang. 2. Physics, 1st sem. U. S History and Civics, 2d sem. 3. Chem. Lect.	IV. IV. I.			COMMERCIAL OPTIONS: 3. { Economics and Business Law. In place of Mathematics or Chemistry	V.	OPTIONS: as before with the addition of Eng. Lit., U.S. Hist. and Civics.	IV.

Third Year.

Two Langs. English Lit.	VIII. IV.	Two Langs. English Lit. Geom., 1st sem U.S. History and Civics, 2d sem.	VIII. IV. IV.	One Lang. Math. Review and Sol Geom. or Adv. Alg. Physics. English Lit. Mech. Dr.	IV. IV. V. IV. II.	Two Langs. Physics and Geom.	VIII. IV.
OPTIONS: 1. Third Lang. 2. Math. Review, U. S. History and Civics. 3. Physics.	IV. IV. V.			COMMERCIAL OPTIONS: Administration: Methods of Banking and Insurance and Transportation, in place of Math.	IV.	OPTIONS: as before with the addition of Chemistry. Geometry.	V. V.
In 1899-1900 the Third Year Class in the Literary Course will follow this schedule.							
		Two Langs Zool., 1st sem. Physics, 2d sem. Geom. 1st sem. Eng., 2d sem.	VIII. III. V. V.	4.	IV.	Fourth Year. One Lang. English Lit. Geom., 1st sem U. S. History, 2d sem. OPTIONS: 1. Drawing and Painting 2. Music. 3. One Lang. 4. Physics. 5. Math'matics and Mech. Drawing.	IV. IV. IV. VIII. VIII. IV. V. VI.

Every student entering the Sub Collegiate Department from the Seventh Grade may take the studies of this curriculum in either a three or four years' course.

The choice should be determined by considerations of health or by the advice of the Superintendent of the Department. The studies of the four years' course are identical with those of the three years' course, but there are fewer of them in any one year. Students who enter the Sub-Collegiate Department from other schools, who have studied no languages other than English and who wish to prepare for admission to college, will usually need to allow four years for the proper completion of the work. Classes beginning a language in any class of the Sub-Collegiate Department will, if possible, devote five hours a week to it. The studies here called "Commercial Options" are those studies which are regarded as especially useful for a student who is preparing for a business career and who does not intend to enter college. These studies may be chosen by students in any course in the Academy, subject to the approval of the Faculty. In this connection it should be stated that classes in Spanish or any other modern language will be maintained whenever a sufficient number of applicants is enrolled. In place of one language other than English, eight hours a week in the Adelphi Art School may be substituted, or the same amount of time may be devoted to the study of Music under conditions prescribed by the Faculty.

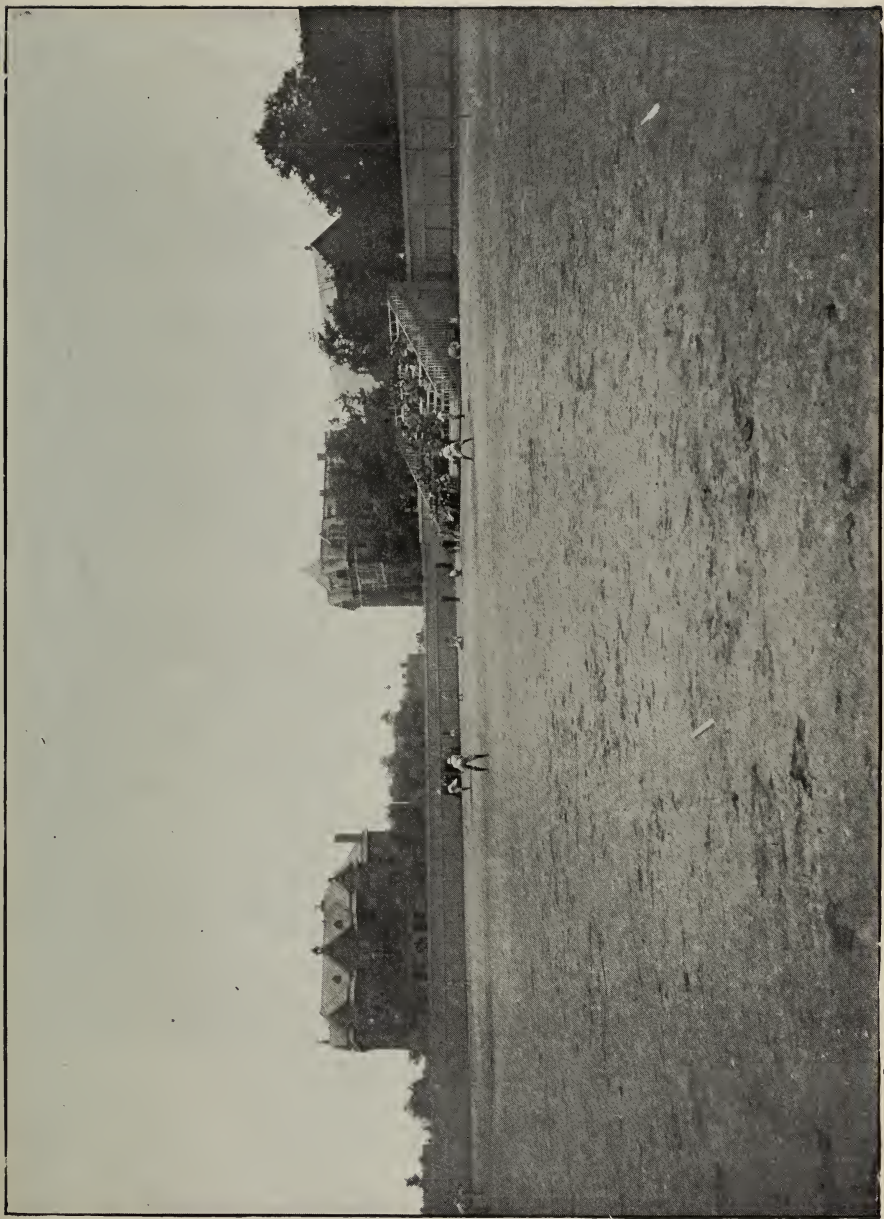
COLLEGIATE DEPARTMENT.

Fourth and Fifth Years.

In each course the curriculum for the fourth and fifth years of the Academy course will usually be the same as the Adelphi College curriculum for the Freshman and Sophomore years. It is, however, understood that no student can pass from the Third Sub-Collegiate Year of the Academy into the Freshman Class in College unless the entrance requirements have been satisfactorily met during the regular course of study or by successfully passing the stated entrance examinations. The diploma of the Adelphi Academy will be given to all students who complete satisfactorily a regular course of study as far as the end of the Fifth Year of the Collegiate Department.



IN THE LIBRARY.



THE ADELPHI FIELD.

GIFTS TO THE ADELPHI, 1898-'99.

1. The Lillian Foster Memorial Library. This collection includes 240 volumes from the library of Miss Lillian Foster, who was at the time of her death instructor in German in the Adelphi Academy. These books are all such as are of service in the teaching and study of German, and are now placed in the library. This collection comprises also the charts and other illustrative material for use in teaching elementary German, which were gathered together by Miss Foster during her connection with the Adelphi. They are now deposited in Room 5.

2. The Lillian Foster Memorial Pictures. These pictures were purchased with the proceeds of a subscription made by Adelphi students and teachers for the purpose of testifying in some suitable manner to the high esteem and affection with which Miss Foster was regarded by her pupils and associates in Adelphi. The list of pictures purchased is as follows :

1. THE SISTINE MADONNA—*Raphael*. Now placed on the main staircase, College Building.
2. QUEEN LOUISE—*Richter*. Second floor hallway of Academy Building.
3. EDUCATION OF GREEK YOUTH—*Knille*. In Room 31.
4. READING FROM HOMER—*Alma-Tadema*. In Room 46.
5. AURORA—*Guido Reni*. In Girls' Study Room.
6. THUSNELDA IN THE TRIUMPH OF GERMANICUS—*Piloty*. Hallway first floor of College Building.
7. COLOGNE CATHEDRAL—*From Photo*. Over entrance to the Library.
8. THE POET'S CORNER IN WESTMINSTER ABBEY—*From Photo*. In the Library.

3. The Margaret Wickham Memorial Library of German Literature.

Miss Margaret M. Wickham was a teacher in Adelphi College and Adelphi Academy, who died during the summer vacation of 1898. She held the rank of Assistant Professor of German. In accordance with the terms of her will, her professional library was presented to Adelphi College. It includes 507 volumes and over 150 pamphlets. The books comprise 469 books in German, 18 in English, 10 in French, 5 in Latin, 1 in Greek, 1 in Danish, and 3 atlases.

4. During the Fall term the office of Professor Whittaker, in the Art Studios, was tastefully decorated and refurnished at the expense of Mr. T. A. Vernon, a member of the Adelphi corporation.

5. During the Christmas holidays, 1898-'99, the Sub-Collegiate Study Room was beautifully decorated at the expense of Mr. Henry U. Palmer, a member of the Adelphi corporation

6. A fine piece of fan coral, taken by an officer of the U. S. S. Brooklyn, from the Cuban reef where the Spanish cruiser Vizcaya lies, was presented to the Adelphi by Mr. H. E. Bedford of the class of 1879.

7. Views of New Haven and Yale University, 36 in number, were presented in January, 1899, by Mr. T. A. Vernon.

8. A replica of Mr. William Ordway Partridge's bronze statue of Shakspeare,

now standing in Lincoln Park, Chicago, was presented to the Adelphi by Dr. Arnold W. Catlin and placed at the main entrance to the Adelphi College Building, Monday evening, Feb. 27th, 1899. There were addresses by Rev. Dr. John G. Bacchus, Rev. John W. Chadwick, Dr. Arnold W. Catlin, Mr. William Ordway Partridge and Prof. William C. Lawton, with music by an Adelphian quartette, consisting of Miss Katharine L. Pelton, '90; Miss Dorothy Duncan, '95; Mr. William Barclay Dunham, '85; and Prof. William Howell Edwards of the Faculty.

ADELPHI COLLEGE COMMENCEMENT EXERCISES.

June 8th, 1898.

Degrees Conferred. Master of Arts—Sarah Elizabeth Scott. Bachelors of Arts—Elizabeth V. Gaines, Elizabeth B. Kelsey. Mabel Miller, Helen L. Perkins, Amy C. Romer. Ella Wyckoff.

Diplomas of the Adelphi Normal Course for Kindergartners were conferred upon Victoria Brown, Nell Hinton Choate Susan S W Duncan, Marie Genevieve Egan, Gertrude Marie Hale, Kate Elizabeth Haley, Grace Edna Matthews, Agnes Gertrude O'Leary, Maud Preston. Florence Bradford Settle, Saidee Cranston Wilson.

Graduation Exercises of the Adelphi Academy, June 15th, 1898.

Diplomas Conferred

CLASSICAL COURSE.

William R. Gelston (in Princeton University).

Emma Jessie Ogg.

LITERARY COURSE.

Frances V. Combes,
Roger Durham (in Columbia University),
Elliot M. Eldredge (in Wesleyan University),
Emily G. Kelsey,
Isabelle Lockwood,
Julia Logan (in Smith College),
Florence E. Martin,
Irene M. McCarroll,

Clara A. Pfeiffer,
Edith Ray,
Mildred A. Stanton,
Alice M. Tuthill,
Florence E. Valentine,
Edith L. Vernon,
Marguerite Walbridge.

SCIENTIFIC COURSE.

Eldert Bergen.

The diploma of the Adelphi Academy has also been conferred upon Mortimer W. Byers, LL.B., (Columbia, '98) as though with the Class of 1896.

First Honors in the Graduating Class of the Academy for Excellence in all Departments of Scholarship, 1897-98.

CLASSICAL COURSE.

Emma Jessie Ogg

LITERARY COURSE.

Frances V. Combes,
Clara A. Pfeiffer,

Florence E. Martin,
Edith Ray,
Marguerite Walbridge.

**Award of Certificates of First Honors in Scholarship in all Classes
of the Academy above the Primary Department for the
Year 1897-'98.**

FIFTH YEAR CLASS.

Frances A. Combes, Florence E. Martin, Emma Jessie Ogg, Clara A. Pfeiffer,
Edith Ray, Marguerite Walbridge.

FOURTH YEAR CLASS.

Winifred Appleton, Carrie A. Buchenberger, Ruth E. Chew, Adelaide M. Garland, Theodora Goldsmith, Lucy Graff, Florence G. Murphy, Alice B. Newton, Helen E. Redding, Elizabeth P. Romer, M. Josephine Thackray, Archibald Gardner, Kenneth B. Halstead Joseph G. Hopkins, George H. Huntting, Edward A. Ingraham, Hans Trier.

THIRD YEAR SUB-COLLEGIATE.

Margaret R. Axson, Kate G. Dickey, Juliette G. Hollenback, Harriett M. Martin, Fannie F. Meyer, Clarine V. B. Matson, Dallas H. Rogers, John W. Ager, William E. Burtis, Allan J. Yallalee.

SECOND YEAR SUB-COLLEGIATE.

Hazel E. Coppins, Dora Levy, Laura L. Ruckgaber, Edna Young, Wilfred J. Funk, H. Blake Gilmore, B. Albert Griffiths, George Kenyon.

FIRST YEAR SUB-COLLEGIATE.

Frank H. Appleton, Frank C. Beach, Anna T. Carpenter, Grace A. Cooper, Mary F. Dixon, Frederic L. Humphrey, Robert A. Jelliffe, Hermine M. Käsebier, Josephine Kelley, Helen Kenyon, Margaret F. Nichols, A. Bernard Recknagel, George Roberts, James L. Robinson, Mary S. Romer, Marion S. Whitney.

SEVENTH GRADE.

In the Grammar Grade Department there are two grades of rank, one of first honors in general scholarship, for which, as in the higher classes, certificates are awarded; and one of honorable mention for fidelity and excellence in effort.

Certificates—Frederick R. Behrends, Hendrika Broes van Heekeren, Emily G. Chapman, Eugenia Clay, Joseph G. Dunn, Beatrice Goldsmith, Roger Mason, Austin P. Palmer, Edith Quinby, Elizabeth Reimers, George G. Reynolds, Helen Sayer, Alice M. Schradieck, Helen E. Schradieck, Crosby B. Spinney, Albert B. Williams, R. Deland Wing.

Honorable Mention—Arabella Boreham, Henry B. Bruyn, Grace L. Burn, Belle Du Bois, Godfrey T. Firth, Royal H. Fowler, Harold Halstead, Annie D.

Harding, James M. Hocart, Edith R. Ogden, Harry T. Rose, Birdsall A. Scrymser, Annie B. Sittig, Mae P. Smith, Louise S. Taft, Marguerite Welles, Julia Zechiel, Minnie Zechiel.

SIXTH GRADE.

Certificates—J. Malcolm Bird, Mary C. Carpenter, Frederick L. Carter, Robert Casamajor, Bertha Chapman, Bradley Child, A. Faison Dixon, Jennie Douglas, Marguerite Goubert, Charles S. Haviland, Ruth Ingraham, Edna Jeffery, William B. Keller, Jr., Mira A. Kelley, Karl W. Kirchwey, Alanson S. Losee, Clinton Lutkins, Ruth Little Mason, Samuel M. Meeker, Jr., Harry W. Norton, Florence E. Parker, Marianna S. Potter, Emilie A. F. Roelker, Louis C. Roessel, Edgar G. Pfarre, Lydia M. J. Soderstrom.

Honorable Mention—A. Ellicott Colson, Clifford H. Easton, Robert N. Gilmore, Robert S. Hitch, George S. Horton, Ethel B. Jacobus, Hermann Jürgens, Robert S. Kelley, Enid De C. Lima, Edward G. Mathews, Henry W. Meyer, Jr., Grace E. Mills, Florence Edna Moller, Kathleen De F. Montgomery, Olive L. Nutting, Jessie M. Rogers, Waldemar Rose, Isabel Ruckgaber, Christabel Scrymser, Louise E. Smith, Mabel K. Swezey, Charles Trenkmann, Minnie Trier, Kenneth Warden, August Wollenhaupt, Bernard H. Wood.

FIFTH GRADE.

Certificates—Donald B. Abbott, Grace A. Broadhurst, Jessie B. Bruyn, Max C. W. Buchenberger, Reginald W. Catlin, Edward E. Chapin, Mary W. Childs, Madalene Cooney, Starr G. Cooper, Louis C. Cummings, John D. Cutter, Beatrice L. Folwell, Sumner Ford, Grace H. Graef, Sarah Ivins, Imogene Lawrence, May Levy, Theodore A. Liebler, Zeb Mayhew, Madeline J. Ogg, Marguerite W. Pritchard, Elsa M. A. W. Roelker, Marguerite L. Shelley, Eva Madeline Shiff, Lilian Oliver Shiff, Ada Smith, Edna E. Smith, Henry J. Stephany, Flora Bell Tompkins, Helen M. Worrell.

Honorable Mention—Louisa S. Babbidge, Malcolm Sterling Banks, Charles Bauer, Edward Burn, Edna A. Burr, Harold E. Dana, Margaret A. Edwards, Darwin Hacker, Austin D. Haight, Harriet H. Haight, Neva Haight, Hazel J. Heissenbittel, William E. Hoschke, Elizabeth J. McInnes, Alexander McNicholl, Ogden Minton, Dora McC. Murdock, Sophie Lyon Page, Shirley N. Russell, Winthrop M. Sayer, Lawrence H. Shepard, Florence M. Smith, Elsie M. Swezey, Walter R. Tomkins, William O. Tomkins, Isabel L. Williams, J. Lees Williams, Katherine R. Van Nostrand, Herbert A. Wyckoff.

FOURTH GRADE.

Certificates—Else L. A. Buchenberger, Harry De Witt Clark, Hélène M. Critchley, Marguerite B. Darlington, F. Monroe de Selding, Butler Griffiths, Jr., Edna L. Griffiths, Ethel H. Hall, J. Albert Hoag, H. Julian Humphrey, William S. Jacques, Donald P. Jadwin, Sophie M. Kayser, Ada Lichtenstein, Georgianna Lichtenstein, Hélène M. Loughran, Mary Marshall Martin, Keith F. McVaugh, Ward Melville, Clement B. Negus, Hannah S. Sessions, Edna Stoughton, G. Parker Westervelt.

Honorable Mention—Carl Alling, Kenneth S. Alling, Olive I. Appleton, Katharine M. Bellinger, Mabel H. Biederman, Helen L. Carter, Ruth E. Crombie, C. Wesley Dingee, John French, Russel C. Germond, Frost Haviland, Hermance M. Howard, Isabella Kelly, Dorothy H. Marston, J. Edward Merrihew, Gertrude Paddock, William E. Pritchard, T. Harold Prosser, Margaret Schradieck, Hazel E. Thomson.

Pratt Prizes for Improvement in Reading and Elocution during the Year.

SECOND SUB-COLLEGIATE.

Helene Ruckgaber, B. Albert Griffiths.

FIRST SUB-COLLEGIATE.

Margaret F. Nichols, Bessie L. Hollingshead, Walter H. Cragg, George Roberts.

SEVENTH GRADE.

Elizabeth Reimers, Annie B. Sittig, Dwight H. Crombie, George G. Reynolds.

SIXTH GRADE.

Louis Roessel, Charles Trenkmann, Grace E. Mills, Mabel K. Swezey.

FIFTH GRADE.

Isabel L. Williams, Margaret A. Edwards, Marguerite W. Pritchard.

FOURTH GRADE.

R. Stuart Owens, Sophie M. Kayser, T. Harold Prosser, Olive I. Appleton, Hermance M. Howard, Else L. A. Buchenberger.

Pratt Prizes for Improvement in Penmanship during the Year.

FIRST SUB-COLLEGIATE.

Olin Ingraham.

SEVENTH GRADE.

Emily G. Chapman, Hendrika Broes van Heekeren, Gustave Kehr, Henry P. Bruyn.

SIXTH GRADE.

Marianna S. Potter, Christabel Scrymser, Mary C. Carpenter, Harry W. Norton.

FIFTH GRADE.

Rial N. Denison, Jr., Marguerite L. Shelley, Elsa M. A. W. Roelker, Malcolm Sterling Banks, Imogene Lawrence, Louis C. Cummings.

FOURTH GRADE.

F. Monroe de Selding, Keith F. McVaugh, J. Albert Hoag, Ethel H. Hall

Prizes for Excellence in the work of the Art School.

ANTIQUÉ BUST—First prize, Genevieve Barker; Second prize, Viola Preater; Honorable mention, Minnie Frederick.

ANTIQUÉ FIGURE—First prize, Mary A. Hawes; Second prize, Minnie Frederick; Honorable mention, Grace Whittier Ferris.

HEAD FROM LIFE—First prize, Elizabeth Graham; Second prize, David B. Holland; Honorable mention, Florence Campbell.

FIGURE FROM LIFE—First prize, David B. Holland; Second prize, Edmandson Warren; Honorable mention, Anna Burky.

PAINTING FROM LIFE—First prize, Alice M. Chew; Second prize, Elizabeth Graham; Honorable mention, Theo. Fincks.

GREATEST IMPROVEMENT—Prize winner, Frederic E. Maine.

Cash Prizes for Excellence in Photography were awarded at the competitive examination of the exhibits of the Adelphi Camera Club as follows: First prize, John W. Ager, 3d Sub-Coll.; Second prize, Henry B. Thurston, 2d Sub-Coll.; Third prize, Clarence A. Pratt, 2d Sub-Coll.

Of Pictures of the First Rank, H. B. Thurston displayed three; J. W. Hutt, Jr., three; Geo. R. Ramsey, two; John W. Ager, one; Lito W. Law, one; Clarence A. Pratt, one.

Cash Prizes for Excellence in Debate, open only to members of the Adelphi Debating Club, were awarded as follows: First prize, Kenneth B. Halstead, 4th year Sub-Coll.; Second prize, Leonard G. Robinson, 4th year Sub Coll.; Third prize divided between John L. Salter, Jr., 4th year Sub-Coll., and Norman A. Heath, 1st year Sub-Coll.

Honors in Athletics, 1897-98.

1. G. G. Backhouse, 4th year, won the "Sigma Psi" Loving-Cup for scoring the greatest number of points in the Adelphi Field Games.

2. The Adelphi Academy Basket-ball Team won a handsome silver cup at the Brooklyn Riding and Driving Club, January 5, in the game between the Polytechnic Institute and Adelphi Academy Team; score 26-2.

3. Hand-ball, School Championship, won by P. C. Langdon, 3d year.

4. Tennis Championship, won by P. C. Langdon.

5. Interscholastic Tennis Championship, won by P. C. Langdon, June 10, at Pratt Field.

6. Medals won in the Barnard games at Armory of the Eighth Battalion, Manhattan, March 5, 1898; R. Topping, 3d year, 440 yard run, Silver Medal.

7. Edw. Gilmore, 2d year, won the Bronze Medal in the Broad Jump at the Cutler School Games, held in Manhattan, N. Y., April 29, 1898, at Berkeley Oval.

8. Medals won in L. I. I. A. L. Games at Eastern Park, May 14, 1898: G. Backhouse, 880 yard run, Silver Medal; R. Topping, 3d year, 440 yard run, Silver Medal; H. Topping, 4th year, 120 yard Hurdles, Bronze Medal; G. Kehr,

7th grade, 100 yard Jr. Dash, Gold Medal ; C. Bishop, 1st year, 100 yard Jr. Dash, Silver Medal ; E. Gilmore, 2d year, Running Broad Jump, Silver Medal ; E. Dutcher, 4th year, Running High Jump, Silver Medal.

9. Medals won in L. I. I. A. L. Skating Championship Contests, February 19, 1898. R. Thompson, 3d year, One Mile Skate, Bronze Medal ; R. Thompson, One half Mile, Silver Medal ; R. Thompson, One quarter Mile, Gold Medal ; R. Marston, 1st year, 220 yard Jr., Silver Medal.

10. The Adelphi Academy Track Team won the Dual Games with Brooklyn Latin School, at Adelphi Field, Thursday, April 21, 1898. Score, 66-33. The prize, a Silver Cup, is in the Trophy-case in the Library.

11. Winners in the Field Games, May 20, and 31 :

100 yard Dash. 1st, E. Gilmore, (scratch) ; 2d, R. Topping, (scratch) ; 3d, G. Backhouse, (handicap).

100 yard Dash Jr. 1st, G. Kehr, (handicap) ; 2d, C. Bishop, (scratch) ; 3d, E. Seed, (handicap), 1st year.

440 yard Run. 1st, G. Backhouse, (handicap) ; 2d, R. Topping, (scratch) ; 3d, L. Hall, (handicap), 3d year.

75 yard Dash. 1st, F. Dixon, (handicap), 6th grade ; 2d, L. Griffiths, (handicap), 7th grade ; 3d, A. Williams, (handicap), 7th grade.

One Mile Run. 1st, G. Backhouse, (scratch) ; 2d, L. Hall, (scratch) ; 3d, C. Raine, (handicap), 3d year.

Running Broad Jump. 1st, E. Gilmore, (scratch) ; 2d, G. Kehr, (handicap) ; 3d, E. Seed, (handicap).

Shot Put. 1st, E. Wilson, (handicap), 4th year ; 2d, P. Langdon, (handicap) ; 3d, R. Topping, (handicap).

Pole Vault. 1st, G. Backhouse, (scratch) ; 2d, R. Topping, (handicap) ; 3d, E. Wilson, (handicap).

220 yard Dash. 1st, E. Gilmore, (scratch) ; 2d, R. Topping, (scratch) ; 3d, G. Backhouse, (handicap).

220 yard Dash Jr. 1st, C. Bishop, (scratch) ; 2d, G. Kehr, (scratch) ; 3d, R. Matheson, (handicap), 6th grade.

Running High Jump. 1st, E. Dutcher, (scratch) ; 2d, C. Bishop, (handicap) ; 3d, E. Seed and E. Wilson tied.

100 yard Hurdle. 1st, C. Dunning, (handicap), 3d year ; 2d, R. Topping, (handicap) ; 3d, B. Gilmore, (handicap), 2d year.

880 yard Run. 1st, L. Hall, (handicap) ; 2d, G. Backhouse, (scratch) ; 3d, R. Topping, (scratch).

Hammer Throw. 1st, E. Wilson, (handicap) ; 2d, C. Bishop, (handicap) ; 3d, G. Kehr, (handicap).

PRIMARY DEPARTMENT, 1897-98.

Prizes for Excellence in Attendance and Deportment.

INTERMEDIATE GRADE.—Jerome Burr, Paul Haviland, Charles Johnston, Francis Phillips, Donald Smith, Clementine Schradieck.

FIRST GRADE.—Ella F. Biederman, Edna Boreham, Millicent Crafts, Dorothy Douglas, Helen F. Ford, Constance Haviland, Grace L. Johnston, Doris C. Kayser, Annie Taylor, Marguerite N. Tobey, M. Katherine Walden, Philip H. Bunker, Gerard W. Griffiths, Horatio Hall, Jr., R. Haywood Martin, Charles K. Meyer, Rowley W. Phillips, John R. Planten, Jr., Guthrie Shaw, Walter W. Stake.

SECOND GRADE.—John F. Adams, Elizabeth Broes van Heekeren, Harold B. Bretz, H. Alden Bunker, Jr., Allan E. Burchard, Clinton Burr, Martha E. Chapman, Estelle A. Conselyea, Florence L. Cortis, Willie K. Dick, Donald Ford, George Fullerton, Viola R. Granbery, Harry P. Hough, Helen B. Jourdan, August Klipstein, Alice B. Kayser, Edward Keating, Ernest B. Lawton, Margaret Levermore, H. Baxter Liebler, W. Douglas Owens, Elwell Palmer, Karl E. Pfeiffer, Barbara Quin, Ernest S. Roche, Anita Ruckgaber, Hazel F. Shortland, Carolyn Snow, Ellen Sterling, David W. Swain, Christopher Sweezey, Jr., Helen S. Terrett, Elizabeth W. Thayer, L. Beatrice Todd, Adelaide von Glahn, D. Richards Whitney, Jr., Helen A. Whiton, Marguerite D. Winant, Mildred Wyckoff.

THIRD GRADE.—Berrien P. Anderson, Harold J. Babbidge, Amy W. Bischoff, Robbins R. Brown, Edith G. Burrell, Charles A. Carpenter, Pauline Casamajor, Percival Chichester, Helen C. Cinnamon, Harold D. Conkling, Clara L. Dixon, Mildred Firth, Dorothy Gibb, Natalie Goubert, William F. Howard, John W. Ivins, Marguerite H. Johnson, Dorothy B. Kirchwey, Louise A. Klipstein, Aileen Markell, Frank E. McCormick, Grace Otteson, Henriette C. Peabody, Marjorie M. Persons, Gertrude P. Pfarre, F. Marguerite Planten, Ella Seaman, Harold S. Sloan, A. Kellogg Sloan, J. Percival Smith, Hortense S. Tiedeman, Florence Vail, John C. von Glahn, Donald Vought, Cedric R. Woodward, Agnes P. Zimmerman, Mildred Snow, Marjory Todd.

Pratt Prizes for Improvement in Penmanship during the Year.

THIRD GRADE—Louise A. Klipstein, Natalie Goubert, Gertrude P. Pfarre, J. Percival Smith.

SECOND GRADE—Vernon Radcliffe, L. Beatrice Todd, Barbara Quin, Desmond Dunne.

FIRST GRADE—Frank E. Moffat, George K. Levermore, Dorothy Walker, Lewis W. Seaman, 3d.

INTERMEDIATE GRADE—Jerome Plummer Burr, Donald Jerome Smith.

STUDENTS' ORGANIZATIONS.

GIRLS' SELF GOVERNMENT ASSOCIATION, Room 50—*Officers*: President, Alice Casamajor, A. C., '99; Vice-President, Emily G. Kelsey, A. C., '00; Secretary, Winifred Appleton, A. C., '01; Treasurer, Katharine Whitney, A. C., '02.

Executive Committee—Seniors: Margaret E. Johnson, Mary Casamajor. Juniors: Emily G. Kelsey, Marguerite Walbridge. Sophomores: Elizabeth P. Romer, Mary S. Bacchus. Freshmen: Katharine Whitney, Juliette G. Hollenback.

BOYS' SELF-GOVERNMENT ASSOCIATION, Room 49. President, Kenneth B. Halstead, A. A., '99.

"THE ADELPHIAN." Established in 1881 and maintained by students in Adelphi College and Academy. Editors in-chief: Kenneth B. Halstead, A., '99; Mabel A. Knudson, C., '99. Associate Editors: Marguerite Walbridge, C., '00; Josephine Stearns Bacchus, A., '99; Winifred Appleton, A., '99; Jenny Pfeiffer, A., '00; Lewis M. Thornton, A., '01; William W. Pell, A., '01. Business Managers: Frank D. Morgans, C., '99; Royal D. Tracy, A., '01.

THE ADELPHI DEBATING CLUB. *Officers*: President, Kenneth B. Halstead, A., '99; Vice-President, Clarence F. Corner, A., '01; Clerk, Frank C. Beach, A., '02; Camp Captains: Camp A., Clarence F. Corner, A., '01; Camp B., Norman A. Heath, A., '02.

THE CAMERA CLUB. *Officers*: President, H. B. Thurston, A., '02; Vice-President, George Ramsey, A., '01; Treasurer, Edwin P. Benson, A., '01; Secretary, Lito W. Law, A., '02.

THE ADELPHI DRAMATIC ASSOCIATION. *Officers*: President, Lewis M. Thornton, A., '01; Vice-President, Winifred Appleton, A., '99; Secretary, Violet Harkness, A., '03; Treasurer, Royal D. Tracy, A., '01. Board of Directors: Carolyn Woodhull, A., '01; Anna Woodhull, A., '01; Violet Harkness, A., '03; Florence Harkness, A., '01; Wm. W. Pell, A., '01; R. D. Tracy, A., '01; E. B. Dutcher, A., '99. Dramatic Director: William Phelps Macfarlane.

COLLEGE ASSOCIATION FOR BIBLE STUDY. Class Leaders: Florence E. Martin, Grace C. Cotton. Assistant Leaders: Mabel A. Knudson, Ruth E. Chew.

THE ADELPHI SKETCH CLUB, maintained by students in the Art Department. The Club meets every Tuesday evening at half past seven in the Studio. *Officers*: President, Prof. J. B. Whittaker; Vice-President, Mr. E. Mandeville; Secretary, Mrs. G. Evans; Treasurer, Miss O. Whitmore.

MUSICAL CLUBS. Director: Assistant Prof. Wm. Howell Edwards. 1. The Adelphi Mandolin Club. 2. The Adelphi Boys' Glee Club. 3. The Adelphi First Quartette. R. Salter, first tenor; W. H. Edwards, second tenor; A. Smith, first bass; C. Corner, second bass. 4. The Adelphi Girls' Glee Club.

THE ADELPHI ACADEMY ATHLETIC ASSOCIATION. *Officers*: President, Edward Gilmore, '01; Vice-President, Edwin B. Dutcher, '99; Secretary, Edward C. Seed, '02; Treasurer, Dr. Henry S. Pettit. Captains: Handball Team, E. B. Dutcher, '99; Basketball Team, E. B. Dutcher, '99; Girls' Basketball Team, Lillian A. Backhouse, '01; "Midget" Basketball Team, Ernest B. Humpstone,

'03; Hockey Team, A. Gardner, '99; Baseball Nine, Edward Gilmore, '01; Track Athletic Team, George G. Backhouse, '99. Annual Gymnastic Exhibition Boys' Classes, March 29th, 1899.

THE ADELPHI HISTORICAL CLUB meets fortnightly during the College year for the purpose of listening to original papers on historical subjects, and for the discussion of topics of historical interest. All students in Adelphi College, who are especially interested in the study of history, are welcomed to membership. *Officers*: President, Dr. A. G. Fradenburgh; Secretary, Miss Emily C. Seaman; Executive Committee, Mr. A. B. Keep, Miss Mabel Miller, Miss Mary D. Womack.

THE ADELPHI MATHEMATICAL CLUB. *Officers*: President, Dr. Joseph Bowden; Secretary, Miss Ella Wyckoff. Meetings once every two weeks, Friday, 3 30 P. M., in room 51.

The Adelphi Alumni Association.

ORGANIZED DECEMBER 18TH, 1897; INCORPORATED FEBRUARY 21ST, 1898.

Annual Meeting, the third Monday in February.

Officers:—President, William C. Wallace, A. A., '72, 68 Gates Avenue; Vice-President, J. Culbert Palmer, A. A., '78, 14 Brevoort Place; Secretary, Charles M. Camp, A. A., '85, 257 Lafayette Avenue; Treasurer, Darwin R. James, Jr., A. A., '91, 250 Gates Avenue. Executive Committee, the preceding officers of the Association and the following: Willard S. Tuttle, A. A., '80, 16 St. James Place; F. J. Vernon, A. A., '81, 201 Lafayette Avenue; Charles J. McDermott, A. A., '85, 722 Marcy Avenue; Edward H. Jewell, A. A., '95, 126 Willoughby Avenue.

The Associate Alumnae of the Adelphi Academy.

This Association was organized on the 2d of February, 1895. All Alumnae of the Academy are eligible to membership. The Association is intended to provide for the Alumnae convenient means for better social acquaintance and for organized effort in behalf of the Academy. For the greater convenience of the members the meetings of the Association are held in the afternoon.

The officers for the current year are as follows: President, Mabel L. Hastings, A. A., '90, 276 Ryerson Street; Vice-President, Grace L. Tuttle, A. A., '91, 243 Clinton Avenue; Recording Secretary, R. Lillian Smith, A. A., '89, 179 Washington Park; Corresponding Secretary, Mabel E. Shaw, A. A., '95, 298 Carlton Avenue; Treasurer, Mrs. Frank T. Sloan, A. A., '92, 251 Washington Avenue; Registrar, Norma L. Hanley, A. A., '84, 1068 Dean Street.

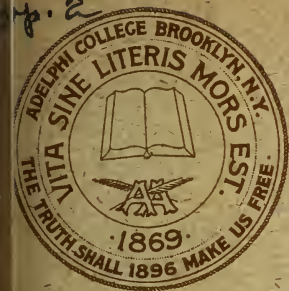
The Bursar, Miss Morrill, should be informed of any changes in address, or of any items of interest concerning Alumni, in order that the Register of Graduates may be corrected to date.

Adelphi Normal Alumnae Association.

Officers:—President, Eliza K. Willets, '96; Vice-President, Katharine K. Story, '96; Secretary, Carolene Althans, '97; Treasurer, Bessie H. Thompson, '97.

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May 1900



Adelphi College

Catalog

1899-1900

PLEASE EXCHANGE.

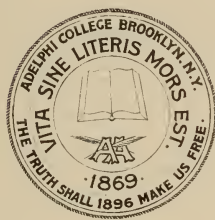


ADELPHI COLLEGE.

ADELPHI COLLEGE

CATALOG.

1899=1900.



Lafayette Avenue, St. James Place and Clifton Place,
BROOKLYN, N. Y.

PUBLISHED FOR THE COLLEGE.

1900.

CALENDAR.

1900-1901.

Commencement...	Friday, June 8, 1900
Fall Term begins.....	Wednesday, September 19, 1900.
Applicants for admission received.....	September 19-21, 1900.
Condition Examinations.....	Friday, September 21, 1900.
Recitations begin.....	Monday, September 23, 1900.
Second Term begins.....	November 28, 1900.
Third Term begins.....	February 6, 1901.
Fourth Term begins	April 17, 1901.
Commencement.....	Wednesday, June 19, 1901.

HOLIDAYS.

Thanksgiving Day and the day after.

Christmas Recess.... Dec. 22, 1900, to Jan. 1, 1901, inclusive.

(Exercises close at the end of the afternoon session, Friday, December 21.

Exercises resumed at 8:50 A. M., Wednesday, January 2.)

Lincoln's Birthday..... February 12, 1901.

Washington's Birthday

February 22, 1901.

Spring Recess..... April 5, 1901, to April 14, 1901, inclusive.

(Exercises close at the end of the afternoon session, Thursday, April 4.

Exercises resumed at 8:50 A. M., Monday, April 15.)

Decoration Day. May 30, 1901.

All legal holidays are observed.

OFFICE HOURS.

The President, daily, after September 17, 9 to 10 A. M.

The Library, session days, 8:30 A. M. to 4 P. M.

The Gymnasium, session days, 9 A. M. to 5 P. M.; Saturdays, at the pleasure of the Director, 9 A. M. to 12 M.

The Bursar, session days, after September 17, 9 A. M. to 12 M.; 2 P. M. to 4 P. M.

For catalogs and other information address "The Registrar, Adelphi College, Brooklyn."

BOARD OF TRUSTEES.

(NAMES, EXCEPT THAT OF THE PRESIDENT, IN ORDER OF SENIORITY.)

TIMOTHY L. WOODRUFF, <i>President</i>	94 Eighth Avenue.
THE REV. CHARLES W. HOMER, D. D.....	73 St. James Place.
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ROBERT D. BENEDICT	363 Adelphi Street.
JOHN A. TAYLOR.....	159 South Oxford Street.
CHARLES H. LEVERMORE.....	30 St. James Place.
JEROME E. MORSE.....	129 St. James Place.
WILLARD S. TUTTLE, <i>Secretary</i>	16 St. James Place.
ANNIE G. TRUSLOW (Mrs. F. C. Truslow)	783 St. Marks Avenue.
AMELIA B. HOLLENBACK (Mrs. J. W. Hollenback)....	460 Washington Avenue.
JOHN N. BEACH.....	178 South Oxford Street.
AUGUSTUS VAN WYCK.....	172 Hancock Street.
CHARLES A. MOORE.....	49 Eighth Avenue.
JOHN C. KELLEY.....	247 Hancock Street.
CLINTON L. ROSSITER, <i>Vice-President</i>	48 Montgomery Place.
MATTHEW HINMAN.....	480 Vanderbilt Avenue.
HENRY U. PALMER	216 Clinton Avenue.
MARY E. BUTTERICK	406 Franklin Avenue.
J. HENRY DICK	164 South Ninth Street.
JESSE JOHNSON.....	308 Clinton Avenue.
ABRAHAM ABRAHAM.....	800 St. Marks Avenue.
WILLIAM G. GILMORE	24 Prospect Park West.

OFFICERS AND COMMITTEES.

TIMOTHY L. WOODRUFF.....*President.*

CLINTON L. ROSSITER..... *Vice-President.*

HAYDEN W. WHEELER.....*Treasurer.*

WILLARD S. TUTTLE.... *Secretary.*

Executive Committee: TIMOTHY L. WOODRUFF, CLINTON L. ROSSITER, HAYDEN W. WHEELER, WILLARD S. TUTTLE, CHARLES W. HOMER, JEROME E. MORSE, AUGUSTUS VAN WYCK, JESSE JOHNSON.

Committee on Instructors and Books: CHARLES W. HOMER, ROBERT D. BENEDICT, HAYDEN W. WHEELER, JOHN N. BEACH, ANNIE G. TRUSLOW.

Finance Committee: JEROME E. MORSE, JOHN C. KELLEY, CHARLES A. MOORE, HENRY U. PALMER, J. HENRY DICK.

Committee on Buildings and Grounds: HAYDEN W. WHEELER, JOHN A. TAYLOR, AMELIA B. HOLLENBACK.

Art Committee: MATTHEW HINMAN, MARY E. BUTTERICK, AMELIA B. HOLLENBACK, CHARLES H. LEVERMORE.

OFFICERS OF INSTRUCTION AND GOVERNMENT.

FACULTY.

(NAMES OF THE FACULTY, EXCEPT THAT OF THE PRESIDENT, STAND IN ORDER OF APPOINTMENT TO PROFESSORSHIPS OR ASSISTANT-PROFESSORSHIPS.)

- CHARLES HERBERT LEVERMORE, B.A. (Yale, '79),
Ph.D., (Johns Hopkins, '86), President.
- FREDERICK WEBSTER OSBORN, B.A., A.M. (Yale, '55, '58),
Professor of Psychology and Philosophy.
- WILLIAM CLARK PECKHAM, B.A., A.M. (Amherst, '67, '70), Professor of Physics.
- JOHN BARNARD WHITTAKER, Professor of Painting and Drawing.
- WILLIAM WALDEMAR SHARE, Ph.B., Ph.D. (Columbia, '81, '84),
Professor of Chemistry and Geology.
- HENRY STOUT PETTIT, M.D. (L. I. College Hospital, '90),
Director of the Gymnasium and Professor of Physical Culture.
- WILLIAM CRANSTON LAWTON, B.A. (Harvard, '73),
Professor of the Greek Language and Literature.
- ELIZABETH VENABLE GAINES, B.A. (Adelphi, '98), Professor of Biology.
- VIOLETTE EUGENIE SCHARFF, Professor of the French Language and Literature.
- JOHN A. SANFORD, B.A. (Brown, '82), Ph.D., M.A. (Univ. of Minn., '94, '96).
Professor of the Latin Language and Literature.
- MAX FRIEDRICH BLAU, Ph.D. (Leipzig, '88),
Professor of the German Language and Literature.
- JOSEPH BOWDEN, B.A., Ph.D. (Yale, '91, '97), Professor of Mathematics.
- HENRY GRANGER HANCHETT, M.D. (N. Y. Hom. Med. Coll., '84),
Professor of Theoretical Music.
- HORACE HUMBOLDT HOWE, Ph.B. (Syracuse, '79), M.A. (Stanford, '96),
Superintendent of the Academic Department.
- JOHN HYATT BREWER, Professor of Vocal Music.
- ADELBERT GRANT FRADENBURGH, B.A. (Allegheny College, '90),
Ph.D. (Univ. of Wisconsin, '94), Assistant Professor of History and Politics.
- LOUISE CHARVET, Assistant Professor of the French Language and Literature.
- WILLIAM ASHENHURST DUNN, B.A., M.A. (Princeton, '93, '94),
Ph.D., (Strassburg, '99), Assistant Professor of the English Language and Literature.

INSTRUCTORS.

REGINALD B. ALLEN, B.S., M.S. (Rutgers, '93, '97), Instructor in Mathematics.

HELEN ATWOOD (A. A., '97), Instructor in Physical Culture.

SOL D. BENOLIEL, B.S. (C. C., N. Y., '93), E.E., M.A. (Columbia, '96),
Instructor in Electricity, Physics and Chemistry.

LOUISE BOTH-HENDRIKSEN, Instructor in the History of Art.

ELINOR M. BUCKINGHAM, B.A. (Radcliffe, '92), Instructor in English.

FRANCES H. FLAGLER, Instructor in Physical Culture.

JOHN ETHAN HILL, Ph.B. (Yale, '85), Ph.D. (Clark, '95), Instructor in Mathematics

WILLIAM P. MACFARLANE, Instructor in Elocution, in Charge of the Department.

FRAU ANNA M. REINER, Instructor in German.

SARAH ELIZABETH SCOTT, M.A. (Adelphi, '98), Instructor in Pedagogics.

S. FABIAN DE VELASCO, B.A. (Univ. of Paris, '87),
Instructor in the Spanish Language and Literature.

OFFICERS OF ADMINISTRATION.

CHARLES H. LEVERMORE, Ph.D., President of the Faculties.

CHARLOTTE MORRILL, Bursar.

ASST. PROF. A. G. FRADENBURGH, Secretary of the Faculty.

PROF. JOHN B. WHITTAKER, Director of the Art School.

PROF. HENRY S. PETTIT, M.D., Director of the Gymnasium.

ANNA E. HARVEY, Director of the Normal Course.

PROF. HENRY G. HANCHETT, Director of the School of Musical Art.

MABEL A. FARR, Librarian.

MAY M. HALL (A. A., '87), Registrar.

JOHN G. EWING, Engineer and Janitor-in-chief.

ADELPHI COLLEGE.

ADELPHI COLLEGE was incorporated by the unanimous vote of the Regents of the University of the State of New York, at Albany, Wednesday, June 24, 1896. In the name of that University, as well as in its own name, its honors will be bestowed. The degrees issued by Adelphi will bear the seals of both the University and the College, and will be signed by the Chancellor and Secretary of the University, as well as by the officers of the College.

The courses of study leading to a baccalaureate degree in the Adelphi College are arranged in three groups, viz.: the Classical Course, the Literary Course, and the Scientific Course. Students who complete the required amount of work in the Classical or Literary Course, to the satisfaction of the Faculty, will receive the degree of Bachelor of Arts; in the Scientific Course they will, under similar conditions, receive the degree of Bachelor of Science. All courses in Adelphi College are open to women.

For students who intend to become teachers, the college courses offer especial advantages in the pedagogical options, which permit a student to present the studies, taken as a part of the professional training for teaching, as a part of the work leading to a degree. Students who complete satisfactorily these pedagogical studies can gain admission directly to the State or City examinations for teachers' licenses.

From fourteen to eighteen hours a week of classroom work, exclusive of laboratory hours and of time for physical culture, will be required in each of the first two years. In each of the Junior and Senior years, twelve hours a week of classroom work will be required. All choice of optional studies is subject to the approval of the Faculty. The students in the Scientific Course who wish to make a more technical study of the Sciences than is outlined in the Conspectus can do so under the direction of the Faculty.

1. Buildings.—The group of buildings now occupied by the College fills the entire end of the block between Lafayette Avenue and Clifton Place, upon St. James Place. The main entrance of Adelphi College is on Clifton Place. The central building is an assembly hall, 50x72 feet, with sittings for about a thousand persons. In the basement, extending across the whole block, is the gymnasium, occupying three large rooms and covering a space 200x50 feet. Convenient access to the buildings is provided by the Brooklyn Union Elevated R. R. (DeKalb or Greene Avenue Stations), or by the Greene, DeKalb, Franklin, Vanderbilt and Fulton electric cars.

During the noon hour, daily, or from 11:40 to 1:30 o'clock, a warm luncheon can be obtained in a lunch room conveniently situated within the buildings.

II. The Library and Reading Room.—The Library now contains nearly eight thousand volumes. In the reading-room, the principal magazines and all leading educational periodicals are on file. Students also have access to the large collections in the excellent Pratt Free Library, which is only one block distant from the Adelphi. A trifling annual fee secures admission also to the Brooklyn Library, which contains about one hundred and fifty thousand volumes.

III. The Gymnasium and Playing Field.—The gymnasium is in charge of a Director, who is a physician, and of a lady assistant. The calisthenium is a spacious room provided with a piano, and with the usual equipment of wands, clubs and bells. The remaining space, besides dressing-rooms, bath room and offices, contains two large rooms well supplied with all modern apparatus. In these rooms are found hand-ball courts and a basketball field; chest weights, back and loin attachments; intercostal machines, traveling parallels and a quarter circle; a set of Swedish apparatus and of climbing apparatus; twelve-pound shots and hammers, with vaulting apparatus; a full equipment for anthropometric work, and all the best appliances for gymnastic exercises, including rings, bars, horses, parallels, ladders, mattresses and trapeze.

The playing field is situated near Classon Avenue, between Park Place and Prospect Place. It is near the Franklin Avenue, Bergen Street and Vanderbilt Avenue line of cars, and is about twelve minutes' walk from the College. It contains ball fields, tennis courts, running tracks and a grand stand, with seats for two hundred and fifty persons. Underneath the grand stand are dressing-rooms, with lockers and bath-rooms. The carriage entrance to the field is on Prospect Place. The ordinary entrance is on Park Place, near Classon Avenue.

IV. Equipment of the Chemical Department.—The *Chemical Department* occupies nearly all of the fourth floor of the College Building. The *Lecture Room* has seats for eighty students. It is provided with a complete system of electric lighting and means for using the electric current for many lecture experiments. One of the important features of the equipment is a specially constructed electric projecting lantern of 2,000 candle-power, with attachments for horizontal, vertical and side projection and special apparatus for the projection of microscopic objects. The *Main Laboratory* provides separate desks for seventy-two students, each desk supplied with gas and running water, and a full set of chemicals and apparatus for experimental work. All experiments involving the production of disagreeable gases or fumes are performed in closets directly connected with the main ventilating flues of the building, and in addition to this, each laboratory is ventilated by independent electric fans. Two small, dark rooms, equipped for spectroscopic analysis, form a part of the main laboratory. The *Quantitative Laboratory* provides accommodation for thirty-two students. Its general equipment is similar to that of the main laboratory. The *Assay Laboratory* provides working desks for twenty-four students, and contains complete apparatus for the mechanical preparation of ores for assay. Two automatic stills in

this room supply the distilled water for use in all the laboratories. The *Weighing Room* contains three Becker analytic balances, one Sartorius short beam balance for heavy apparatus in organic analysis, one Becker short beam assay balance, one ore balance, one bullion balance, and one Westphal specific gravity balance, a complete equipment for all kinds of exact chemical work. The *Blowpipe Laboratory* contains the mineralogical collections, which are always open to the students for examination and comparison. The working tables are arranged for twenty-four students. A supply room contains a store of extra apparatus, from which the students can obtain all the material they require in their experimental work. This room is arranged for use as a photographic dark room, with complete apparatus for making lantern slides, including a fine copying, enlarging and reducing camera, and complete equipment for electric illumination, rendering it possible to do photographic work at all times without dependence upon sunlight.

V. Equipment of the Physical Department.—The laboratories for Physics contain a large equipment. A clock, beating seconds, gives electrical signals in all the rooms. There is a bench with tools for both wood and metal work, and an engine lathe driven by an electric motor. For accurate measurement there are vernier and micrometer gauges, a spherometer, good balances, and a Koenig's tuning-fork chronograph. There are also a large air pump, with accessories, an Atwood's machine, and much apparatus to demonstrate the laws of force and motion. There is a complete set of meteorological instruments, with which a daily record is kept.

For heat measurements there are calorimeters, thermometers, and a thermopile. The sound apparatus includes sonometers, a set of Koenig's forks, an apparatus for demonstrating the timbre of sounds by manometric flames, organ pipes, and tubes for measuring wave length.

In optics, the equipment includes a Browning spectroscope with two prisms, a Rutherford diffraction grating, a spectrometer, a Bunsen photometer, complete with candle balance, wet meter Methven screen and Standard Argand gas burner, apparatus for producing the spectra of metals by the electric arc, Nicol's prisms and apparatus for illustrating the polarization of light, compound microscopes and facilities for measuring the focal lengths of lenses and mirrors.

Among the electrical instruments may be enumerated batteries of various types, a Thomson's mirror galvanometer of six thousand ohms, a Wheatstone's bridge of twenty-one thousand ohms, various resistance boxes, a D'Arsonval horizontal magnet galvanometer with both ordinary and ballistic coils, several forms of astatic needle and tangent galvanometers, an Elliott condenser, Mascart electrometer, Weston voltmeter and ammeter, Carhart-Clark cell, large Ruhmkorff coil, Toepler machine, besides other forms of galvanometers and bridges, complete Roentgen Ray apparatus, and much general apparatus. The apparatus provides for practicing the various modes of measuring current, potential and resistance.

There is an electric lighting and power plant, consisting of a 40 horse-power engine, a 250-light U. S. direct current dynamo, and three U. S. motors. During

the hours of session these furnish current in the lecture-room and laboratories, and drive the ventilating fans. At other times connection is had with the Edison 3-wire system, giving a constant potential of 230 volts.

The department is provided with a good photographic outfit, a $6\frac{1}{2} \times 8\frac{1}{2}$ camera with a Dallmeyer lens, a 10x12 copying camera, and a dark room, well ventilated and lighted by the electric light, equipped with every necessary appliance.

The lecture-room, with a seating capacity of one hundred, is on the south side of the building, and has all the approved arrangements for its special use. It is darkened by shutters sliding from the walls. The sunlight, the calcium or the electric light may be used for projection or experiment. The lantern is provided with vertical attachment, polarizing elbow and microscope, and there is a large set of objects for projection.

VI. The Biological Laboratories and Collections for Use in Teaching Natural History.—The Biological Laboratories and Lecture-room are adjacent to the Chemical Laboratory. The Biological Laboratories are two in number, and are well provided with facilities for botanical and zoölogical study, including dissecting and compound microscopes, a herbarium, mounting apparatus and various reagents.

For the use of classes in Zoölogy and Physiology there is a fine collection of type vertebrate skeletons, prepared by Prof. H. A. Ward, of Rochester; a human skull with the bones all separated; two human skeletons, one mounted and one disarticulated; plaster and papier maché models of different parts of the human body; charts and manikins.

The Geological collection includes the representative fossils of all the formations, and also large collections of the different kinds of rocks.

The Mineralogical collection contains about two thousand specimens, including examples of all the common minerals and ores. A small set of models of crystals forms a part of this collection.

VII. The Mathematical Laboratory.—The equipment for surveying includes a complete Engineer's Transit (Buff & Berger), a Surveyor's Transit (Pike & Sons), a Y Level (Heller & Brightly), New York and Boston rods, self-reading rod for telemeter work, and the usual pins, tapes, flags, ranging poles, etc. The mechanical drawing-room is large and well lighted and fully supplied with cabinets, shelves, and the necessary desk-room. There is a large collection of geometric models and machine types. There are many large photographs of locomotive and stationary engines, besides numerous blue prints and detail drawings of a large array of machinery.

VIII. The Studios. See Art Department, and School of Musical Art.

IX. Lectures. Besides the lectures of many kinds maintained annually by the Adelphi within its own halls, the students are advised to avail themselves

of the exceptional educational opportunities afforded them in the unrivalled lecture and concert courses of the Brooklyn Institute. A merely nominal annual fee admits any one to most of the facilities of the Institute. All of its work is conveniently near the Adelphi; some of it is placed every year within the Adelphi itself. The new Art Museum of the Institute is not far away and is more and more valuable as an educational force.

X. Special Car Service. By arrangement with the officers of the Brooklyn Rapid Transit Company, special cars are run from the Park Slope and from the Eastern District to the Adelphi, so that the trip may be made without change and for one fare. The Park Slope car leaves Ninth Ave. and Twentieth St. on the morning of each school day at 8.17, and proceeds along Ninth Ave. to Flatbush Ave. to Fulton St. to Greene Ave. and St. James Place. Returning, it leaves the latter corner at 1.10 P. M. The Eastern District car leaves Broadway Ferry at 8.20 A. M., and runs by way of Nostrand and Gates Aves. to Greene. Returning it leaves Greene Ave. and St. James Place at 1.10 P. M. Time tables for these routes can be procured at the Bursar's office, in the Adelphi.

XI. Barlow Medals. The Barlow medals (so named in honor of George Francis Barlow, valedictorian of the Adelphi Academy Class of 1878), may be bestowed in June of each year, upon a student in each course of the Sophomore year in Adelphi College, who has attained the highest rank in scholarship in all studies during the first two years of the College course.

EXPENSES.

After the current year, 1899-1900, the annual charge for tuition for each regular student is \$40 per quarter, payable in advance. There are no extra charges except for materials used in the laboratories. In the classes of the Teachers' Courses a matriculation fee of \$5 is due when the student is admitted to college; for Direction Courses, the fee is \$10 per semester; for Residence Courses the fee is \$35 per course, and in each science study there is in addition a laboratory fee of \$15. In the Normal Course for kindergartners, the annual charge of tuition is \$100 and this covers the expense for materials. In the Art School the fee for a half-day session three times weekly is \$10 per quarter; for a whole day session, \$15 per quarter. In the Normal Art Course the annual fee is \$75, payable quarterly in advance. In the School of Musical Art the fees for class instruction vary from \$4 to \$16 per term of eight weeks. For more detailed statement for expense in this school it will be necessary to consult the special circular of the School.

For each special examination held at unusual times, a fee of \$5 is due.

Special Students who attend one recitation only, pay \$15 a quarter for each branch pursued. Special students in the sciences are entitled to the same amount of laboratory work as that which is required of regular students; for extra

work in the laboratories they pay \$10 a quarter for each additional period. No special student is received for less than one quarter. Special students who take three subjects pay the regular rate.

Students in the Biology classes will make a deposit of \$3 to cover cost of materials. Students in the Chemistry classes will make a deposit of \$10 to cover cost of materials. Deposits are to be made with the Professor in charge. No laboratory desk will be assigned before deposit is made. In all Chemistry classes, when breakages or usage exceed the amount of deposit or the fixed laboratory fee, an additional charge will be made to cover the excess.

The College maintains a Book Room, where all books and stationery may be purchased by the students for cash.

Tuition is payable at the Bursar's office in the Academic Building.

No Deduction is made for absence. Students withdrawing from school during the year are liable for tuition until the Bursar has been notified of the withdrawal.

The price of board and lodging in the neighborhood of Adelphi College is from \$5 a week upward. Table-board can be obtained at prices ranging from \$4 a week upward.

Address all business communications to .

“THE BURSAR, ADELPHI COLLEGE, BROOKLYN.”

TERMS OF ADMISSION.

Members of the Third or Fourth Year Classes in the Sub-Collegiate Department of the Adelphi Academy, who have satisfactorily completed the studies required for entrance into college, are admitted without examination, in accordance with the usual rules of promotion in the Adelphi Academy, to the Freshman Class in Adelphi College in any course for which they have been prepared.

Other applicants for admission to Adelphi College may present themselves at the College (Clifton Place entrance, Room No. 53) for examination on the Thursday and Friday after Commencement, or on the first two days of the Fall Term.

For applicants from well-known and reputable schools, certificates will ordinarily be accepted, so far as the studies pursued in such schools cover the entrance requirements of Adelphi College. All such certificates should be signed by the responsible instructors in the school last attended, and should state explicitly, under each subject of study, the text books used, the extent of the work done, and the time devoted to it, with dates.

Special students of a mature age, not candidates for a degree, may be admitted to courses of study which they are competent to pursue, upon presentation of satisfactory evidence of proficiency.

Candidates for admission to advanced standing will be required to pass satisfactory examinations upon the work already accomplished by the class to which they wish to be assigned.

ORDER OF ENTRANCE EXAMINATIONS.

FIRST DAY.

SECOND DAY.

8.30-9.	Registration.		
9-10.	Cæsar and Cicero.....		Academic Algebra.
10-11.15.	Vergil and Sight Reading.....		Plane Geometry.
	Chemistry, Sci. Course.		
11.30-12.45.	German.....		French.
2-3.30.	English.	2-3.15.	Anabasis, Adv. Algebra.
3.30-4.30.	Physics, Sci. Course		Physics and Chemistry, Lit. Course.
3.30-4.30.	Anc. History.	3.15-4.30.	Iliad and Sight Reading.
4.30-5.50.	U. S. History.		Solid Geom., Physiology.

Applicants for admission to the Freshman Class in Adelphi College, in any one of the three courses, must be at least fifteen years of age and be able to pass satisfactory examinations in the specified number of the following subjects :

I. English.

NOTE.—No candidate will be accepted in English whose work is notably deficient in point of spelling, punctuation, idiom, or division into paragraphs.

A. The candidate may offer preparation in the uniform college entrance requirements in English, as follows :

I. READING. The candidate will be required to present evidence of a general knowledge of the subject matter of the books here named, and to answer simple questions concerning the lives of the authors. The form of the test will usually be the writing of paragraphs upon chosen topics.

In connection with these tests, the candidate may present an exercise-book, properly certified by an instructor, containing compositions or other written work done in connection with the reading of the books. The books set for this part of the examination are :

1900: Dryden's Palamon and Arcite ; Pope's Iliad, Books I, VI, XXII, and XXIV ; The Sir Roger de Coverley Papers in the Spectator ; Goldsmith's Vicar of Wakefield ; Scott's Ivanhoe ; De Quincey's Flight of a Tartar Tribe ; Cooper's Last of the Mohicans ; Tennyson's Princess ; Lowell's Vision of Sir Launfal.

1901 and 1902 : Ivanhoe ; Pope's Iliad, Books I, VI, XXII, and XXIV ; De Coverley Papers ; The Vicar of Wakefield ; The Last of the Mohicans ; The Princess ; The Ancient Mariner ; Silas Marner ; The Merchant of Venice ; The Vision of Sir Launfal.

1903, 1904, 1905 : The same books as in the foregoing list for 1902, with the addition of Shakspeare's Julius Cæsar and Carlyle's Essay on Burns, and with the omission of Pope's Iliad and The Last of the Mohicans.

2. This part of the examination presupposes a more careful study of each of the works named below. The examination will be upon subject matter, form and structure.

1900: Shakspeare's *Macbeth*; Milton's *Paradise Lost*, Books I and II; Burke's *Speech on Conciliation with America*; Macaulay's *Essays on Milton and Addison*.

1901, 1902, 1903, 1904, 1905: *Macbeth*; Burke's *Speech on Conciliation with America*; Macaulay's *Essays on Milton and Addison*; Milton's *Minor Poems* (*Comus*, *Lycidas*, *L'Allegro*, *Il Penseroso*).

B. In lieu of the uniform college entrance requirement in English, candidates for admission to college from the Literary Course in the Sub-Collegiate Department of the Adelphi Academy will be permitted to offer the work in English in the first three years of that Department.

II. French.

A. Minimum requirement. A knowledge of fundamental principles of grammar; as, rules for the formation of the plural and of the feminine in nouns and adjectives, the use of the articles, the place of the pronouns, and the regular and irregular verbs. Reading of two French books, as "*Colomba*," by Merimé; "*L'Abbé Constantin*," by Halévy; and of two plays arranged by Bôcher, such as "*Mademoiselle de la Seiglière*," by J. Sandeau; and "*Le roman d'un jeune homme pauvre*," by Feuillet. *Equivalents* may be offered.

B. Maximum requirement. A thorough knowledge of French grammar; use of the tenses, rules for the subjunctive and for the past participle, government of verbs, formation of adverbs, French idioms.

Reading: *Le Pêcheur d'Islande*, Loti; "*La Mare au Diable*," G. Sand; "*La Belle Nivernaise*," Daudet; "*Le Curé de Tours*," Balzac; "*Quatre-vingt-treize*," V. Hugo. Composition, based upon the books read. Ability to take part in recitations conducted in French. *Equivalents* may be offered.

III. German.

A. Minimum requirement. The rudiments of grammar (*Joyes-Meissner-Thomas*), including irregular verbs, elementary rules of syntax and word order. Translation at sight of German into English and English into German.

Reading: *Brandt's Reader*; *Bernhardt*, *Novelletten*; *Storm*, *Immensee*; or *Riehl*, *Der Fluch der Schönheit*.

B. Maximum requirement. An accurate knowledge of the principles of grammar, embracing inflections and syntax, the composition of words, the force of prefixes and suffixes, and the relation of the English and German consonantal changes. Sight translation. Ability to take part in recitations conducted in German. Reading of the following books: *Ebers*, *Eine Frage*; *Freitag*, *Aus dem Staate Friedrichs des Grossen*; *Schiller*, *Wilhelm Tell*; *Lessing*, *Minna von Barnhelm*. Composition based on the books read, or *Harris' Prose Composition*. *Equivalents* may be offered.

IV. Greek.

Xenophon's *Anabasis*, 4 books; Homer's *Iliad*, 3 books; sight reading; Woodruff's *Prose Composition*.

V. Latin.

Cæsar, 4 books or its equivalent; Cicero, 7 orations,—the oration on the Manilian Law to count as two; Vergil, *Æneid*, 6 books. Prose composition based upon Cæsar and Cicero. Sight reading.

VI. History.

A. Ancient History down to the fall of the Roman Empire in the West. Myers' text book is recommended, though not prescribed.

B. United States History.

VII. Mathematics.

A. Algebra, through Quadratics and Progressions; Plane Geometry.

B. Advanced Algebra, or Solid Geometry.

VIII. Science.

A. Physiology, including Elementary Biological Study.

B. Elementary Chemistry, non-metals.

C. Elementary Chemistry, metals and non-metals.

D. Elementary Physics; introductory course, may be covered in four weekly exercises for one semester with laboratory practice.

E. Elementary Physics, at least one year's study, four hours weekly, with laboratory practice.

Of these subjects here, numbered from I to VIII, all candidates must be prepared to pass satisfactory examinations in the following:

English, I, either A or B; and Mathematics, VII, A, Algebra and Plane Geometry.

In addition, candidates for admission to the Classical Course must be prepared in the following subjects: Ancient History, VI, A; Latin, V; Greek, IV; and either French or German, minimum requirement, II, A, or III, A.

For the Literary Course, the following are the additional subjects required: Ancient History and United States History, VI, A, B; Science, Physiology, VIII, A, Elementary Chemistry, VIII, B, and Elementary Physics, briefer course, VIII, D; Languages, any two of the following: French, maximum requirement, II, B; German, maximum requirement, III, B; Latin, V.

For the Scientific Course, the additional requirements are: United States History, VI, B; Science, Chemistry, VIII, C, and Physics, VIII, E; Mathematics, Advanced Algebra, or Solid Geometry, VII, B; Languages, any one of the following: Latin, V; French, maximum requirement, II, B; German, maximum requirement, III, B.

COURSES OF STUDY.

Department of the English Language and Literature.

1. AMERICAN LITERATURE. Study of representative authors with lectures. Freshman year, Literary and Classical Courses ; Sophomore year, Scientific Course ; first semester, three hours a week.
2. SURVEY OF ELIZABETHAN LITERATURE AND THE FOLLOWING PERIOD AS FAR AS THE DEATH OF MILTON. Freshman year, Literary and Classical Courses ; Sophomore year, Scientific Course ; second semester, three hours a week.
3. SHAKESPEARE. Sophomore year, Literary and Classical Courses ; first semester, four hours a week.
4. ENGLISH LITERATURE. From Pope to Keats. Junior year, Literary and Classical Courses, three hours a week.
5. VICTORIAN LITERATURE. Senior year, Literary and Classical Courses ; three hours a week.
9. ANGLO-SAXON AND EARLY ENGLISH. A survey of Early English Literature ; Anglo-Saxon Grammar ; Selected Readings ; *Béowulf*. Junior and Senior years, alternating with Course 10 ; two hours a week.
10. MIDDLE ENGLISH. Lectures in the chief writers of the period and the development of the language ; study of selected poems ; Langland ; Chaucer. Junior and Senior years, alternating with Course 9 ; two hours a week.

Department of the French Language and Literature.

15. SEVENTEENTH CENTURY FRENCH LITERATURE. Lectures : Spanish and Italian influences ; rise of the French Drama ; development of the French Tragedy ; Comedy in France ; influence of the Church. Readings from the works of Corneille, Racine, Molière. Freshman year, Literary Course, four hours a week.
16. LITERATURE OF THE NINETEENTH CENTURY. Lectures : The Revolution and Empire ; the religious renaissance ; German and Italian influences ; Romanticists and Classicists. Readings from the works of Mme. de Staël, V. Hugo, Dumas, Taine. Sophomore Year, Literary Course, four hours a week.
17. LITERATURE OF THE EIGHTEENTH CENTURY. Comparative study of the literature of the Seventeenth, Eighteenth, and Nineteenth Centuries. Lectures : English influence ; Voltaire's destructive and constructive work ; the encyclopedists ; Rousseau's influence and theories of education ; diffusion of the philosophical spirit. Collateral Readings. Junior Year, Classical and Literary Courses, three hours a week.
18. ORIGINS OF FRENCH LITERATURE. Lectures : General view of the Sixteenth Century ; comparison of the French and Italian Renaissance ; the period of the Reformation ; French language in the Sixteenth Century. Readings from



IN THE LIBRARY.



contemporary literature : Balzac, Guizot, Daudet, Loti. Senior Year, Classical and Literary Courses, three hours a week.

Students who wish to begin French after entering College will be assigned to classes in the usual introductory work.

Department of the German Language and Literature.

20. GERMAN LITERATURE OF THE EIGHTEENTH CENTURY. Ballads, Dramas (Marie Stuart, Iphigenie) prose works (Dichtung and Wahrheit, Abfall der Niederlande). Prose composition. Freshman Year, four hours a week.

21. GERMAN HISTORY AND LITERATURE OF THE EIGHTEENTH CENTURY. Emilia Galotti, Wallenstein, Egmont, Tasso, Laokoön, Geschichte des dreissigjaehrigen Knieges. Lectures. Composition. Sophomore Year, four hours a week.

22. GERMAN HISTORY AND LITERATURE OF THE NINETEENTH CENTURY. Lectures (in German). Collateral reading of the selected works of Kleist, Uhland, Grillparzer, Heine, Freytag, Scheffel and others. Essays. Junior Year, three hours a week.

23. SENIOR STUDIES. a. Lessing's Nathan, Goethe's Faust. Lectures in German. Essays. First half year.

b. Elements of Middle High German. (Wright's Primer, Paul's Grammar, Bartsch : Nibelungenlied), Lectures in German. Essays. Second half year. Senior year, three hours a week.

Students who wish to begin German after entering College will be assigned to classes in the usual introductory work.

Department of the Greek Language and Literature.

25. ATTIC PROSE AUTHORS—SELECTIONS. References : Dyer's Apology and Crito ; Morgan's Lysias. Freshman Year, first semester, four hours a week.

26. HOMER. Later books of Iliad, selections, or Odyssey, V-VIII. References : Perrin' Odyssey, V-VIII. ; Lawton's Art and Humanity in Homer. Freshman Year, second semester, four hours a week.

27. DRAMA. One play each of Æschylus, Sophocles, Euripides, Aristophanes. Lectures. Sophomore Year, four hours a week.

28. ATTIC PROSE. Thucydides, Plato, Demosthenes, selections. References : Morris' Thucydides, I ; Towle's Protagoras ; Tarbell's Demosthenes. Junior Year, three hours a week.

29. GENERAL HISTORY OF GREEK LITERATURE, with readings from the less familiar authors. References : Jevons' History of Greek Literature, or Jebb's Spirit of Greek Literature. Senior Year, three hours a week.

Department of the Latin Language and Literature.

30. LIVY. Books I, XXI-XXII, selections. Freshman Year, Classical and Literary Courses, first semester, four hours a week.

31. HORACE. Selected epodes and odes. Autobiographical extracts from the satires and epistles, Lectures on Augustan age and Horace's life. References : Sellar's Roman Poets of the Augustan age, Martin's Horace, Shorey's Horace. Freshman year, Classical and Literary Courses, second semester, four hours a week.

32. EARLY LATIN. Catullus and Lucretius, selections. Plautus and Terence, one play each. References : Sellar's Latin Poets of the Republic, Merrill's Catullus, Kelsey's Lucretius. Sophomore Year, Classical and Literary Courses, four hours a week.

33. SILVER LATIN. Juvenal, Pliny, Quintilian, Tacitus, selections. Junior Year, Classical and Literary Courses, three hours a week.

34. LECTURES ON THE LIFE OF THE LATIN LANGUAGE AND LITERATURE, with readings from less familiar authors and fragments of lost works. References: Cruttwell's or Tyrrell's Latin Literature, Merry's Selections from Latin Poets. Senior Year, Classical and Literary Courses, three hours a week.

35. MODERN ITALIAN. Classes to acquire a practical knowledge of this language or to study its literature can be formed as optional classes in place of any of the other modern languages in any year of the College course, or in place of the Latin of either one of the last two years. Such a class should consist of at least five students, and the choice of such an option must, as is usual in such cases, receive the approval of the Faculty.

Department of the Spanish Language, Literature, Technology and Business Training.

36. ELEMENTARY SPANISH. Grammar and its component parts ; reading and writing ; Mental Translation and immediate transposition of oral English ; dictations into Spanish and vice versa ; conversation among pupils ; examinations of classes by pupils ; easy compositions in Spanish, and the reading of such works as : *La España Píntoresca* by Emilia Pardo Bazán, and *El Capitán Veneno*, by Pedro Antonio de Alarcón. Four hours per week, in either Sub-Collegiate or Collegiate Department.

37. SPANISH LITERATURE (2D YEAR COURSE). Grammatical reviews ; correspondence among pupils ; debates and discussions upon given or chosen subjects by pupils ; examinations of classes by pupils. History of the Spanish Language. Oral sketches of Spanish history and its influence upon Europe and America. Translations from English into Spanish and vice versa, and reading of such works as : *Pepita Jiménez* by Juan Valera, and *La Campaña de Huesca* by Antonio Cánovas del Castillo. Four hours per week, as above.

38. SPECIAL BUSINESS COURSE, which may be taken instead of Course No. 37. Study of all Technical Terms ; forms and manner of transacting business with Spanish countries ; industrial and commercial nomenclature in Spanish, (such as is not found in any dictionary text or book of reference) ; business corre-

spondence and business verbal transactions, with use of forms of book-keeping, English and Spanish abbreviations. Study of rates of exchange of gold, silver and copper coins of all Spanish speaking countries. Spanish idioms and colloquialisms, especially such as are in use in Spanish America. Four hours per week, as above.

Department of History and Politics.

40. **MEDIAEVAL HISTORY.** The origins and development of feudal society and institutions, the political history of Central and Southern Europe to the close of the Thirty Years' War. References: Adams's *Civilization in the Middle Ages*, Duruy's *History of the Middle Ages*, Emerton's *Introduction to the Middle Ages and Mediæval Europe*, "Epochs of Modern History" Series. Freshman Year, all courses, first semester, four hours a week.

41. **HISTORY OF THE RENAISSANCE.** A study of the social, religious, and political issues in the age of the Renaissance, the fifteenth and sixteenth centuries. References: Bryce's *Holy Roman Empire*, Milman's *Latin Christianity*, Spalding's *History of the Protestant Reformation*, Haeusser's *Period of the Reformation*. Freshman Year, all courses, second semester, four hours a week.

42. **ENGLISH HISTORY.** A study of political and social progress. References: Green's *Shorter History of the English People*, Macaulay's *History*, Lecky's *England in the Eighteenth Century*, McCarthy's *History of Our Own Time*. Sophomore Year, all courses, first semester, three hours a week.

43. **HISTORY OF FRANCE**, from the age of Richelieu to the French Revolution. The Ancient Régime and its successor. References: S. R. Gardiner's *Thirty Years' War*, Duruy's *History of France*, Airy's *The English Restoration and Louis XIV.*, Morris' *The Age of Anne*, Morris' *The French Revolution and First Empire*, Taine's *Ancient Régime and Modern Régime*, Kitchin's *History of France*. Sophomore Year, all courses, second semester, three hours a week.

44. **AMERICAN HISTORY.** A topical study of American History, with a comparison of political systems. References: Fiske's *Beginnings of New England*, and *Critical Period of American History*, Schouler's *History*, and Wilson's *The State*, Hart's *Epoch Series*, and Scribner's *American History Series*. Senior Year, all courses, first semester, three hours a week.

45. **HISTORY OF THE NINETEENTH CENTURY.** Topical studies in modern history. The age of the establishment of parliamentary government and of racial consolidation. References: The *International Statesmen Series*, Seignobos' *Political History of Europe since 1814*, Müller's *Political History of Recent Times*, Andrews' *Historical Development of Modern Europe*. Senior Year, second semester, all courses, three hours a week.

46. **SOCIAL HISTORY.** The origin and growth of society as disclosed in the development of the family and of civil and religious institutions. Text-books: Tylor's *Anthropology* and Morris' *Aryan Race*, with readings from Lubbock, Tylor, and Giddings. Junior Year, all courses, two hours a week.

47. HISTORY OF ART. An examination into the rise and progress of Ancient and Classic Art and the evolution of the Fine Arts in modern times, illustrated by pictures, lantern slides, and collateral readings. Text-book : D'Anvers' History of Art. References : Vasari's "Lives of the Painters" ; Ruskin's "Modern Painters" and "Stones of Venice," with other works of reference and periodicals in the Library. Sophomore Year, Classical and Literary Courses, second semester, four hours a week.

(a) *History of Painting* (twice a week).—Egyptian, Assyrian, Greek, Roman and Byzantine.

Italian Art.—Early renaissance, development and golden age.

Venetian Art.—Its growth, truth and splendor.

Art in Flanders and in Holland.—Likeness and difference.

Art in France.—Peculiar influences and steady development. The four great periods.

Art in Spain.—Mysticism and Realism.

Art in Germany.—Causes of uneven development. Early period : late period.

Art in England.—Reasons for its late development. Tendency to social satire, portraiture and landscape.

(b) *History of Architecture and Sculpture* (twice a week) —Egyptian and Assyrian temples, tombs and palaces. Greek temples, orders and carving. Periods of Phidias, Praxiteles and Alexander. Roman Architecture : Early Christian, Byzantine and Romanesque styles. Gothic style and sculpture : Pointed arch superseding the round arch. Decadence : Renaissance architecture and sculpture.

48. THEORY OF ART AND SPECIAL STUDY OF NINETEENTH CENTURY ARTISTS. Beauty in Art. Unity, its application to expression. Principles of Construction : The lintel, column, arch. Application of Ornament, Etching, Engraving, Lithography, Perspective, Composition. The Human Form in Art. Chiaroscuro, tone, colour, value, touch. Kinds of pictures : Still life, genre, portrait, landscape, marine, devotional, historical. Critical study of contemporary artists of different nations. Junior year, Literary Course, lectures once a week.

49. SOCIOLOGY. A study of social institutions with special reference to American conditions. Social problems and proposed solutions. Among the subjects discussed are : Immigration, Problems of City Life, Employment of Women and Children, Factory Legislation, Defective and Delinquent Classes, Socialism. References : Ward's Outlines of Sociology, Fairbank's Introduction to Sociology, Wright's Practical Sociology, Blackmar's History and Sociology, Spencer's Principles of Sociology, Gidding's Elements of Sociology, Smith's Statistics and Sociology. Junior year, second semester, all courses, three hours a week.

Department of Economics.

50. OUTLINES OF ECONOMICS. A general introduction to the study of Economics with the design to familiarize the student with the fundamental principles of the subject. These are examined and illustrated by reference to past and pre-

sent industrial life in England and the United States. Text-book : Bullock's introduction to the Study of Economics, supplemented by collateral reading. Recitations, discussions, lectures. Junior Year, all courses, first semester, three hours a week.

51. PRACTICAL ECONOMICS. This course deals principally with problems of distribution. The leading topics are : The evolution of labor and capital ; wages ; labor organization ; arbitration and conciliation ; profit-sharing ; co-operation ; factory and other labor legislation ; the social surplus ; municipal economics ; socialism. Lectures, assigned readings, papers, discussions. Junior Year, all courses, second semester, three hours a week ; open to students who have taken course 50.

52. ECONOMIC HISTORY. A study of the evolution of industrial life, principally in England and in the United States, with references for sake of comparison to contemporary conditions on the continent of Europe. Lectures, readings, reports. References : Cunningham's Growth of English Industry and Commerce, Gibbins' History of Commerce in Europe. Toynbee's The Industrial Revolution, Ashley's Introduction to English Economic History and Theory. Senior Year, all courses, first semester, three hours a week.

Department of Philosophy.

55. LOGIC. The structure of the syllogism and its use in argumentative discourse are illustrated by a variety of practical exercises taken from Jevons' Studies and from other sources. Text-book : Jevons' Lessons, supplemented by Creighton's Logic. Junior Year, all courses, one half of first semester, three hours a week.

56. PSYCHOLOGY. Mental processes are analyzed with a view to ascertaining their nature and functions and the laws which govern them. Both the experimental and physiological methods are employed as an aid to introspection. Text-book : James' Briefer Course, supplemented by references to Sully, Dewey and Titchener. Junior Year, all courses, one half of first semester and second semester, three hours a week. The course is open only to those who have had Sophomore work in Physiology or its equivalent.

57. HISTORY OF PHILOSOPHY. A general survey of philosophical thought in ancient and modern times. Passages from the works of representative thinkers are selected for special study. References are made to Erdmann's, Falckenberg's, and Lewes' History of Philosophy, and to various monographs, as well as to the original sources. Senior Year, Classical and Literary Courses, first semester, three hours a week.

58. ETHICS. The more important theories will be discussed as well as their application to a philosophy of conduct. The method of study will include the discussion of papers upon assigned topics. Text-books : Seth's Principles and Mackenzie's Manual of Ethics. References : Sidgwick's Method of Ethics,

Bowne's Principles, Watson's Hedonistic Theories, and Sidgwick's History of Ethics. Senior Year, Classical and Literary Courses, second semester, three hours a week.

59. **ELEMENTARY PSYCHOLOGY.** Introduction to the study of psychology for those who have not had Course 56. Text-book : Hallock. First Year Normal and Freshman Year, Classical and Literary Courses, two hours a week.

Department of Pedagogics.

61. **PRACTICE WORK.** Second Year Normal, and Senior College Year, not less than fifty hours. For Seniors this work accompanies Course No. 66.

62. Observation work in the class-rooms of the Academy to accompany Courses Nos. 64 and 66. Senior Year, not less than fifty hours.

63. **HISTORY OF EDUCATION.** The aim of this course is to trace the development of educational systems in connection with the general development of civilization. A study of the Greek and Roman schools is followed by a sketch of the early Christian schools, the influence of Charlemagne and Alfred, the development of modern languages and literatures. A study of the Renaissance leads to the consideration of the new ideals in education and the history of reformers. This course includes a study of

Compayré's History of Pedagogy, Quick's Educational Reformers, Davidson's Education of the Greek People, Laurie's Life of Comenius, Laurie's Rise of the Universities, De Guimp's Life and Work of Pestalozzi, Pestalozzi's Leonard and Gertrude, Rousseau's Emile, Herbart's Science of Education.

First Year Normal, and Junior College, once a week.

64. **THEORY OF EDUCATION.** The aim of this course is the application to teaching of the principles developed in the courses in psychology and the history of education. A study of the best methods of developing and training attention, memory, imagination and thought. The influence of habit. A study of methodology, based on the principles of Herbart. This course includes the careful study of : Rosenkranz's Philosophy of Education, Froëbel's Education of Man, De Garmo's Essentials of Method, Preyer's Mental Development, Blow's Symbolic Education, Froëbel's Pedagogics of the Kindergarten, Froëbel's Mother Play, Harris's Psychologic Foundations of Education.

Second Year Normal and Junior College, once a week.

65. **PSYCHOLOGY FOR KINDERGARTNERS.** A course of fifteen lectures on Child Study with selected readings. References : Rowe's Physical Nature of the Child, Oppenheim's Development of the Child, Preyer's Infant Mind, Sully's Studies in Childhood. The applications of Psychology to Teaching, especially in the Primary Grades. Text-book : Dexter and Garlick's Psychology in the School Room. Frequent exercises requiring the application of educational principles will be required. Second Year Normal, three hours a week.

66. **METHODOLOGY.** This course will include a theoretical course to determine the fundamental principles involved in the process of teaching, and also the

application of these principles to the teaching of the various subjects embraced in the course of study in elementary and secondary schools. References: De Garmo's Herbart, Lange's Apperception, Harris' Psychological Foundations of Education, McMurry's Method of the Recitation, Tompkins' Philosophy of Teaching.

Senior Year, three hours a week.

67. FROEBEL'S PHILOSOPHY. Critical study of "The Education of Man," and of the Mutter-und Kose-Lieder. Second Year Normal, once a week.

Department of Chemistry.

70. ELEMENTARY CHEMISTRY. (a) *Chemistry of the non-metals*: Classification; theory of chemical nomenclature; problems; laboratory manipulations. Text-book: Remsen's Chemistry. References: Roscoe and Schorlemmer's Chemistry. Second Year, Academic Scientific Course, first semester, five hours a week; laboratory, two hours a week. (b) *Chemistry of the metals*: Periodic law; methods of reduction; compounds. Text-book and references same as Course (a). Second Year, Academic Scientific Course, second semester, five hours a week; laboratory, two hours a week. Freshman Year, Classical and Literary Courses, three hours a week; laboratory, two hours a week.

71. QUALITATIVE ANALYSIS. Tests for bases and acids; analysis of simple salts; analysis of complex mixtures and commercial products. Text-book: Prescott and Johnson's Qualitative Analysis. References: Fresenius' Qualitative Analysis, Elliott's Qualitative Analysis, Wells' Tables. Freshman Year, Scientific Course, five hours a week; laboratory, three hours a week.

72. QUANTITATIVE ANALYSIS. Preliminary course on known substances of definite composition; practice in methods. General course on ores and commercial products; assays of gold, silver, and lead ores; volumetric and electrolytic methods of analysis. Text-books: Cairns' Quantitative Analysis. References: Fresenius' Quantitative Analysis, Blair's Analysis of Iron Ores, Crookes' Select Methods, Sutton's Volumetric Analysis, Rickett's Notes on Assaying. Sophomore Year, Scientific Course, five hours a week; laboratory, three hours a week.

73. ORGANIC CHEMISTRY. Methane derivatives; benzene derivatives; organic analysis; laboratory practice in the preparation of organic substances. Text-book: Remsen's Organic Chemistry. References: Bernthsen's Organic Chemistry, Prescott's Organic Analysis, Blyth's Analysis of Foods, Wanklyn's Water Analysis. Junior Year, Scientific Course, six hours a week; laboratory, four hours a week.

74. TECHNICAL OR APPLIED CHEMISTRY. Processes for the manufacture of commercial products; advanced methods of quantitative analysis; food analysis. References: Wagner's Chemical Technology, Watts' Dictionary of Chemistry, Thorpe's Dictionary of Chemistry, Sadtler's Industrial Organic Chemistry, Blyth's Analysis of Foods. Senior Year, Scientific Course, seven hours a week, lectures and laboratory.

Department of Mineralogy and Geology.

76. MINERALOGY AND BLOWPIPING. (a) *Crystallography*: Study of crystal models and natural crystals. First semester, first term, three hours a week. (b) *Blowpipe analysis*: Use of the blowpipe; analysis of prepared mixtures. First semester, second term, three hours a week. (c) *Mineralogy*: Physical and chemical characteristics of common minerals; determination of minerals; second semester, three hours a week. Text-book: Moses' Mineralogy and Blowpiping. References: Plattner's Blowpipe Analysis, Williams' Crystallography, Dana's Mineralogy, Brush's Determinative Mineralogy. Senior Year, Scientific Course, three hours a week, as above; laboratory, two hours a week.

77. GEOLOGY. General course; dynamic, structural, and historical. Text-book: Le Conte's Geology. References: Dana's Geology, Geikie's Geology, Winchell's Geologies. Senior Year, all courses, first semester, three hours a week.

78. METALLURGY. Treatment of ores by furnace, wet, and electrolytic methods. References: Bloxam's Metals, Phillips' Metallurgy, Turner's Metallurgies. Senior Year, Scientific Course, first semester, three hours a week.

79. ECONOMIC GEOLOGY. Distribution and utilization of ore deposits, building stone, etc. Text-book: Kemp's Ore Deposits of the U. S. Senior Year, Scientific Course, second semester, three hours a week.

Department of Physics.

80. GENERAL COURSE. Properties of solids, liquids and gases, and the study of sound, heat, light, and electricity: with text-book and lectures. Laboratory course accompanying and supplementing these. Reference books: Deschanel's, Ganot's and Barker's Physics, Sabine's Laboratory Course, Zahn's Sound and Music. Junior Year, Classical and Literary Courses, three hours a week.

82. (a) MECHANICS. Reference books: Deschanel, Vol. I; Wood's Mechanics, Sabine's Laboratory Course, with Supplementary exercises, and lectures upon methods of experimenting. (b) METEOROLOGY. Text-book: Waldo. Reference: Davies. Laboratory work in taking and reducing observations and in forecasting weather. Sophomore Year, Scientific Course, five hours a week.

83. (a) HEAT AND THE STEAM ENGINE. Reference books: Deschanel, Stewart, Kinealy. Junior Year, first semester. Scientific Course, six hours a week. (b) ELECTRICITY. Theory and Measurements. Reference books: S. P. Thomson, Stewart and Gee, Nichols. Junior Year, second semester, Scientific Course, six hours a week.

84. TECHNICAL ELECTRICITY. The dynamo, its structure and various forms. Motors, systems of lighting and transmission of power. Senior Year, Scientific Course, seven hours a week.

85. ASTRONOMY. Descriptive, physical and historical by recitations and lectures, with study of constellations, and laboratory work on spectrum of sun. Reference books: Young's Astronomy, Clerke's History of Astronomy in the



THE PHYSICAL LECTURE ROOM.



MINERALOGICAL LABORATORY.

Nineteenth Century. Senior Year, all courses, second semester, three hours a week.

Department of Biology.

90. GENERAL BIOLOGY. The study of living matter and of its relations to lifeless matter. Protoplasm—The Cell. Comparative study of animals and plants by means of a number of selected types, such as *Amœba*, *Paramœcium*, *Hydra*, the earth worm, *Protococcus*, bacteria, yeast, *Nitella*, the fern. References: Sedgwick and Wilson's General Biology. Parker's Elementary Biology, Huxley, and Martin. Junior Year, Scientific Course, three hours a week, with laboratory throughout the year.

91. COMPARATIVE ANATOMY AND ADVANCED PHYSIOLOGY. Dissection of Vertebrates. Comparative study of various organs. Embryology of the Chick. Careful study of the microscopic structure and mode of working of the tissues of the human body. Special attention given to the problems of metabolism, and to the development and physiology of the nervous system and its terminal organs. Reference: Foster's Physiology. Martin's Human Body. Sophomore Year, Classical and Literary Courses, three hours a week, with laboratory practice.

92. THEORETICAL BIOLOGY. The history of Biological Discovery. The Examination of philosophical problems of Biology: such as heredity, variations, animal metamorphoses, the origin of the individual, instinct and intelligence. Readings and discussions of Darwin, Spencer, Romanes, Weismann, and similar authorities. Senior Year, three hours a week.

93. SANITARY BIOLOGY. Sanitation of the home: its situation, ventilation, heating, plumbing, and drainage. Study of the physiological and chemical principles of water and foods. Food analysis: adulterations and dietaries. Elective in the Senior Year, three hours a week.

94. GENERAL BACTERIOLOGY. Elective in the Senior Year, three hours a week.

Department of Mathematics.

100. ALGEBRA. The binomial theorem, logarithms, permutations, combinations, chance, continued fractions, series, undetermined coefficients, elementary theory of equations, solution of numerical equations, and the elementary theory of determinants. Text-books: Hall and Knight, revised by Sevenoak. Freshman Year, Scientific and Classical Courses, nine weeks, four hours a week; Literary Course (elective), second semester, four hours a week.

101. SOLID GEOMETRY. The usual demonstrative work, with numerical applications of the formulas derived. Text-book: Phillips and Fisher. Freshman Year, Classical and Literary Courses (elective), second semester, four hours a week.

102. PLANE TRIGONOMETRY. Geometrical and analytical derivation of formulas; solution of triangles with use of logarithms; applications to measurement.

of heights and distances. Text-book : Bowser. Freshman Year, Scientific Course (required), Classical and Literary Courses (elective), eight weeks, four hours a week.

103. SPHERICAL TRIGONOMETRY. Derivation of formulas and solution of spherical triangles. Text-book : Bowser. Freshman Year, Scientific Course (required), Classical Course (elective), six weeks, four hours a week.

104. ANALYTIC GEOMETRY. The equations of the straight line, circle, parabola, ellipse, hyperbola, and a few of the simpler higher plane curves, with an introduction to Solid Analytic Geometry. Text-book : Tanner and Allen. Sophomore Year, Scientific (required) and Classical and Literary Courses (elective), second semester, four hours a week.

105. THE DIFFERENTIAL AND INTEGRAL CALCULUS. Simple and successive differentiation of functions, expansion of functions in series, evaluation of indeterminate forms, curve tracing, evaluation of maxima and minima, calculation of areas and volumes of solids of revolution, solution of simple differential equations. Text-book : Osborne, supplemented by lectures on the theory of functions. Junior Year, Scientific Course, three hours a week.

106. DESCRIPTIVE GEOMETRY. Orthographic projection of points, lines and surfaces, the intersection of lines and surfaces, spherical projections, shades and shadows, linear perspective, isometric projections. Text-book : Church. Sophomore Year, Scientific Course, first semester, four hours a week.

107. MECHANICAL DRAWING. Freehand drawing, construction of problems in Geometry, orthographic and isometric projections, plans, sections, and elevations of machines and architectural parts, blue prints, lettering, plotting of surveys, topographical sketches, coloring and shading ; development of problems involving the principles of Descriptive Geometry, including shades and shadows, and perspective. Freshman Year, Scientific Course, two hours a week, Sophomore Year, one hour a week.

108. GRAPHICAL MECHANICS, with an introduction to machine design. Senior Year, Scientific Course (elective).

109. SURVEYING. Recitations and lectures on the principles and practice of surveying, adjustment of instruments, practice surveys, levels, and topographical work, computations based upon data thus derived. Freshman Year, Scientific Course, nine weeks, four hours a week.

110. ANALYTIC MECHANICS. Composition and resolution of forces, center of gravity, friction, virtual velocities, machines, laws of motion, central forces, constrained motion, impact, work and energy, moment of inertia, rotary motion. Text-book : Bowser. Senior Year, Scientific Course (elective), three hours a week.

III. ADVANCED MATHEMATICAL ELECTIVES. Under the usual conditions governing elective studies, courses may be obtained by students having the requisite preparation in Higher Algebra, Modern Geometry, Advanced Analytic Geometry, and Vector Analysis.

112. THE MATHEMATICAL CLUB. This is an organization of teachers and advanced students formed for the purpose of mutual help in mathematical investigation, and as an incentive to original work. The Club meets weekly. This year it is reading Burnside's Theory of Groups.

THE MATHEMATICAL LIBRARY contains standard works of reference on all the courses and is easily accessible to the students.

Department of Music.

120. MUSICAL ANALYSIS. Meter, Rhythm, Movement, Intervals, Keys, Modes, Concords, Discords, Modulations, Resolutions, Cadences, Articulation, Phrases, Periods, Subjects, Episodes, Variation, Imitation, Form, Style, Theme, Counterpoint, Dances, Suite, Rondo, Sonata, Fugue, Tone-color, Touch, Interpretation, Program. Text-books: Goodrich's Complete Musical Analysis, Beethoven's Sonatas. Analytical Recitals and Class Recitations. Junior and Senior Years, two hours weekly.

121. HARMONY. Intervals, Scales, Chord construction, Inversion, Use of Concords, Harmonization in three and four parts, Progression, Transition, Related Keys, Dominant, diminished and secondary Sevenths, Inverted basses, Duplication and Omission, Enharmonic changes, Augmented chords, Dissonant triads, Suspension, Organ point, Unrelated tones, Practical Construction. Text-book: Goodrich's Analytical Harmony. Junior and Senior Years, two hours weekly.

122. COUNTERPOINT. Harmonic Counterpoint, Vocal Score, Passing Notes, Polyphony, Florid Counterpoint, Strict Counterpoint in two or more parts, of the first, second, and third order. Double Counterpoint in the octave, tenth and twelfth. Text-book: Prout's Counterpoint. Senior Year, two hours weekly, open to those who have taken Course No. 121.

CONSPPECTUS OF COLLEGIATE STUDIES.

Arabic Numerals indicate the number of the Course in "Courses of Study." *q. v.*

Freshman.

Classical.	Weekly Recit's	Literary.	Weekly Recit's	Scientific.	Weekly Recit's
Two Languages, Greek and Latin, 25, 26, 30, 31. Mediaeval Hist. and History of Renaissance and Reformation, 40, 41	VIII. IV.	English Lit. 1. Mediaeval Hist. and History of Renaissance and Reformation, 40, 41. Chemistry, 70. a. & b.	III. IV. III.	1 Language, 15, 20, 30, 31, 35, 36. Mediaeval Hist. and History of Renaissance and Reformation, 40, 41. Chemistry, 71. Math. 100, 102, 103, 107, 109. Mech. Drawing.	I IV V IV II
OPTIONS : 1. Eng. Lit. 1. 2. Mathematics, 100, 101, 102 3. Chemistry, 70 a. & b. 4. El. Psychology, 59.	III. IV. III. II.	OPTIONS : 1. Mathematics, 100, 101, 102 2, 3. Two Languages. 15, 20, 30, 31, 35, 36. 4. El. Psychology, 59.	IV. each IV. II.		

Sophomore.

One Language, Greek or Latin, 27, 32. English Lit. 2, 1st Sem. } Hist. of Art, 47, 2d Sem. } Hist. of England and France, 42, 43.	IV. IV. III.	English Literature, 2, 1st Sem. Hist. of Art, 47, 2d Sem } History of England and France, 42, 43. Biology, 91.	IV. III. III.	One Language, 16, 21, 32. 36, 37, 38. English Literature, 1. Physics 81, 82, a & b. Mathematics, 104, 106, 107.	IV III IV
OPTIONS : 1. Biology, 91. 2. Mathematics, 104. 3. One Language, Greek or Latin, 27, 32.	III. IV. IV.	OPTIONS : 1. Mathematics, 104. 2, 3. Two Languages, 16, 21, 32, 36, 37, 38.	IV. each IV.	OPTIONS : 1. Chemistry, 72. 2. History of England and France, 42, 43. Not more than one can be chosen.	V III

Same for both Classical and Literary Courses.

Juniors.

Scientific.

Logic and Psychology, 55, 56. Pol. Economy, 50, 1st Sem. } Sociology, 49, 2nd Sem. }	III. III.	Biology, 90. Pol. Econ. 50, 1st Sem. } Sociology, 49, 2nd Sem. }	III III
OPTIONS : 1. Eng. Literature, 3, 4. 2. Lectures on Art, 48. 3 and 4. Two Languages, 15, 17, 20, 22, 28, 33, 35, 36, 38. 5. History and Theory of Education, 63, 64. 6. Physics, 80. 7. Old English, 9. 8. Social History, 46. 9. Musical Analysis, 120. 10. Harmony, 121. From six to nine hours should be chosen.	III. I. VI. III. III. II. II. II.	OPTIONS : 1. Mathematics, 105, 111. 2. Logic and Psychology, 55, 56. 3. Chemistry, 73. 4. Physics, 83, a & b. 5. Language, 17, 22, 33, 35, 36, 38. 6. Social History, 46. 7. Musical Analysis, 120. 8. Harmony, 121. Three options should be chosen, one of which must be either Chemistry or Physics.	III III VI VI III III II II

Same for both Classical and Literary Courses.

Senior.

Scientific.

Philosophy and Ethics, 57, 58.	III.	Geol. 77, and Astron. 85.	III
OPTIONS : 1. Biology, 92, 93, 94. 2. English Literature, 4, 5. 3. U. S. Hist. 44, 1st sem. } 4. Mod. Hist. 45, 2nd sem } 5 and 6. Geol. 77, and Astron. 85. 7 and 8. Two Languages, 16, 18, 21, 23, 29, 34, 35, 37, 38. 9. Pedagogics, 61, 62, 66. 10. Middle English, 10. 11. Economic History, 52, 1st sem. } 12. Practical Economics 51, 2nd sem. } 13 and 14. Musical Options, as in Junior year, 120, 121. 15. Counterpoint, (open to those who have taken course 121), 122. From nine to twelve hours should be	III. III. III. III. VI. III II. III. each II. II.	OPTIONS : 1. Economic History, 52, 1st sem. } 2. Practical Economics, 51, 2nd sem. } 3. Mineralogy, 76. 4. U. S. Hist. 44, 1st sem. } 5. Mod. Hist. 45, 2nd sem. } 6. Tech. Chem. 74. 7. Elec. Technics, 84. 8. Mathematics, 108, 110, 111, 112. 9. Metallurgy, 78, 1st sem. 10. Economic Geology, 79, 2nd sem. } 11 and 12 Musical options, as in Junior year, 120, 121. 13. Counterpoint, (open to those who have taken course 121), 122. Three options should be chosen, one of which must be either Chemistry or	III III III III VII VII III III each II II

TEACHERS' COURSES IN ADELPHI COLLEGE.

1. Teachers and other mature persons whose qualifications are approved by the Faculty may present themselves for admission to the Teachers' Courses in Adelphi College by taking the regular entrance examinations in June or September, or by submitting to the judgment of the Faculty any diplomas, certificates or other official evidences of scholastic work done. Such students, when admitted to the College, shall be enrolled in the Bursar's office as matriculated students, and upon payment of the prescribed matriculation fee, they shall be eligible for admission to class-work.

2. Teachers of three years' experience in the High Schools of New York City, or teachers who have taught three years in the Public Schools of New York City under a Grade A certificate, may be excused from entrance examinations in History, Physiology, and Mathematics.

3. Teachers who have been in active service for at least three years shall not be required to pass entrance examinations in English, except in composition.

4. Teachers who have satisfied the requirements for admission in some subjects but not in others may, nevertheless, at the discretion of the Faculty, be admitted, before matriculation, to College classes, as special students in the subjects in which they have completed their preparation.

5. Teachers and other mature persons not candidates for a degree may be admitted to Teachers' Courses as special students upon the approval of the Faculty and the instructor in charge.

6. The courses for the especial benefit of teachers consist chiefly of afternoon, evening, and Saturday morning class-exercises in the prescribed studies of the College curriculum. These courses are classified as either Direction Courses or Residence Courses. In a Direction Course the student, by order of the Faculty, is assigned to the care of a member of the Faculty and studies under his advice and direction, receiving frequent written tests throughout the semester, or year, and submitting to a final examination upon all the work of the Course. Direction Courses will be more often permitted in the prescribed studies of the Freshman and Sophomore years. Residence Courses will be conducted by the various departments for afternoon, evening, or Saturday morning classes as time and opportunity permit. Such courses will consist of at least two one-and-one-half hour exercises a week for thirty weeks or, in case of a semestrial study, for fifteen weeks. Scientific studies involving laboratory work must, unless otherwise ordered by the Faculty, be studied in residence at the Adelphi. If expenditures in a laboratory course for apparatus and materials shall, for any student, amount to more than the prescribed laboratory fee, the amount in excess may be charged to that student by the Bursar.

7. Teachers who wish to obtain a degree from Adelphi College must complete the prescribed curriculum in one of the three College courses—*i. e.*, the Classical, the Literary, or the Scientific—and must spend at least one year as a student, devoting full time to study in Adelphi College, or must take at least eight Resi-

dence Courses in Adelphi College. No student who is actively engaged in teaching will be permitted to study more than two subjects in the Teachers' Courses at one time, except by special permission from the Faculty.

8. All examinations will be held at the usual time in June or September, or in the last week of the first semester. Special examinations may not be held unless by consent of the Faculty and subject to the conditions prescribed by the Bursar.

9. Except by special consent of the Faculty, no instructor shall conduct a class in the Teachers' Courses unless at least five pupils apply for admission thereto.

10. The Faculty will accept properly authenticated certificates of any work done within the class-rooms of any other college, and certificates of a similar nature concerning work done in summer schools will also receive consideration. Certificates issued by private tutors will not be accepted unless it is so ordered by the Faculty upon the recommendation of the heads of departments whose subjects may be included in the certificate.

11. An application to be admitted, upon certificate, to Adelphi College in its Teachers' Courses as a candidate for a degree, should be presented, together with certificates, to the Faculty before June 15th or October 8th in each year. Applications for either Residence or Direction Courses should be filed with the Registrar on or before the same dates. Communications concerning the studies should be addressed to Prest. C. H. Levermore, Adelphi College. Business communications should be addressed to the Bursar.

12. In accordance with the terms of the circular issued by the City Superintendent of Schools, under date of June 24th, 1898, and specifying the requirements for a teachers' license No. 2, or Grade A, and for Head of Department licenses, the courses of instruction offered by Adelphi College in its various departments present to teachers a favorable opportunity for performing the work necessary in order to obtain either one of those certificates. For these purposes the City Superintendent approves all college classes excepting those which may be engaged upon the elementary study of a language.

13. All persons who enter the Adelphi Teachers' Course classes are required to register in the Bursar's office (east side of the Lafayette Avenue entrance), to pay one-half the tuition fee and to receive a card of admittance to the desired class. This card must be presented to the teacher in charge of the class. No pupil, thus registered, may withdraw from the class without notifying the Bursar. No deduction is made on account of absence.

14. The following Residence Courses for teachers have been conducted during the present year, 1899-1900 :

SUBJECT.	TEACHER.	DAYS.	HOUR OF BEGINNING.
1. English Literature (Soph.)	Miss Buckingham.	Mon. and Tues.	4.00 P.M.
2. French (Freshman).	Asst. Prof. Charvet.	Mon. and Thurs.	4.00 P.M.
3. Latin (Sophomore).	Prof. Sanford.	Mon. and Thurs.	7.15 P.M.
4. Political Economy (Jun.)	Asst. Prof. Fredenburgh.	Tues. and Fri.	4.00 P.M.
5. Biology (Sophomore).	Prof. Gaines.	Sat.	9.00 A.M.
6. French (Junior).	Prof. Scharff.	Mon. and Thurs.	4.00 P.M.

15. Among the courses that will be offered to teachers for the next year, 1900-1901, the following may be now announced :

1. English Literature, *Freshman*..... Dr. Dunn.
2. English Literature, *Junior*..... Dr. Dunn.
3. Chemistry, *Freshman*..... Prof. Share.
4. History of Art, *Sophomore*..... Miss Both-Hendriksen.
5. History, Mediæval History, 1st semester ; and History of Renaissance and Reformation, 2nd semester, *Freshman*... Dr. Fradenburgh.
6. French, *Junior*..... Asst. Prof. Charvet.
7. French, *Senior*..... Prof. Scharff.
8. German, *Freshman*..... Prof. Blau.
9. Greek, Odyssey, Plato, *Freshman*..... Prof. Lawton.
10. Latin, Horace, Livy, *Freshman*..... Prof. Sanford.
11. Philosophy and Ethics, *Senior*... Prof. Osborn.
12. Physics, *Junior*..... Prof. Peckham.

These courses will begin soon after Oct. 1st, 1900, subject to conditions described in foregoing regulations. See especially, Rule 9. The time of recitation is to be determined by the convenience of both students and teachers.

LECTURES, 1899-1900.

- Oct. 3. MISS EFFIE KELLY PRICE, College Secretary of the American Committee of the Y. M. C. A.
Subject : College Organization for Christian Work.
- Oct. 17. MRS. MARGARET E. SANGSTER.
Subject : College Settlement Work.
- Nov. 16. DR. W. H. TOLMAN, Secretary of the League for Social Service.
Subject : The Responsibility of Employers for the Welfare of their Employees.
- Jan. 18. MRS. KATE UPSON CLARK.
Subject : That Aristocratic Feeling.
- Feb. 27. MISS GRACE H. DODGE.
Subject : Girls' Work among Girls.
- Mar. 9. MR. ELBERT HUBBARD, before the Associate Alumnae of the Adelphi Academy.
Subject : The Work of the Roycrofters.
- Mar. 20. M. HENRI DE RÉGNIER.
Subject : French Poets of To-day, their Works and Biography.

LECTURES AND PIANO FORTE RECITALS

BY

DR. HENRY G. HANCHETT, Professor of Theoretical Music.

Courses given under the auspices of the Brooklyn Institute and Adelphi College.

First Course—General Topic : Musical Material.

October 23—LIFE (Rythm in the production of musical effects).

CHOPIN—Polonaise in A flat, op. 53. SCHAEFFER—Three Fantasie Pieces from op. 1. BACH—Fugue in D major; Clavichord, Part I. BEETHOVEN—Sonata in C major, op. 2, No. 3.

October 30—LIGHT (the expressive power of harmony).

MOSZKOWSKI—Moment Musicale in C sharp minor, op. 7, No. 2. GRIEG—Morning Voices, No. 1; and, The Death of Aase, No. 2, from op. 46. RACHMANINOW—Prelude in C sharp minor, op. 3, No. 2. CHOPIN—Etude in E flat major, op. 10, No. 11. SCHUMANN—Nocturne in F major, op. 23, No. 4. BEETHOVEN—Sonata in E flat major, op. 7.

November 6—LINES (the curve of melody).

CHOPIN—Etude in B minor, op. 25, No. 10. GOTTSCHALK—Æolian Murmurs. SCHUMANN—Traumerei in F, op. 15, No. 7. SCHUBERT—Impromptu in A flat, op. 142, No. 2. BEETHOVEN—Sonata in B flat major, op. 22.

November 13—LINKS (references by imitation).

SCHUMANN—The End of the Song, op. 12, No. 8. GRIEG—On the Mountains, op. 19, No. 1. BACH—Prelude and Fugue in C minor; Clavichord, Part II. BEETHOVEN—Sonata in E minor and major, op. 90. WAGNER-LISZT—The Love-Death of Isolde.

Second Course - General Topic : Musical Construction.

November 27—DETAIL.

LISZT—Forest Murmurs, Etude in D flat. GRIEG—Canon in B flat minor, op. 38, No. 8. BACH—Fugue in C minor; Clavichord, Part I. SCHUMANN—Second Number, in B flat major, from Kreisleriana, op. 16. BEETHOVEN—Sonata in D major, op. 10, No. 3.

December 4—DEVELOPMENT.

CHOPIN—Scherzo in D flat, op. 31. (Called, Scherzo in B flat minor). SCHUBERT—Andante and Variations, from Sonata, op. 42, in A minor. GRIEG—In the Hall of the Mountain King, op. 46, No. 4. DAYAS—Fantasie Piece, op. 3, No. 1. BEETHOVEN—Sonata in D major, op. 28. (Called, Pastorale).

December 11—DEPENDENCE.

RAFF—A Fairy Tale, op. 162, No. 4. CHOPIN—A Cradle Song, op. 57.

DUPONT—Toccata di Concert. MACDOWELL—Selections from Woodland Sketches, op. 51. BEETHOVEN—Sonata in E flat major, op. 31, No. 3.

December 18—DESIGN (form).

MENDELSSOHN—Andante and Rondo Capriccioso in E. SCHUBERT—First and Third Movements from Sonata in A minor, op. 42. SCHUMANN—Aspiration, op. 12, No. 2. BEETHOVEN—Sonata in C major, op. 53.

Third Course—General Topic: The More Important Musical Forms.

February 26—FUGUE.

BEETHOVEN—Second and Third Movements from Sonata in F, op. 10, No. 2. RHEINBERGER—Fugue in G minor. BACH—Prelude and Fugue, C major. (Clavichord, Part I). BACH-LISZT—Organ Fantasia and Fugue in G minor.

March 5—VARIATION.

BEETHOVEN—Finale from the Last Sonata, op. 111, in C. CHOPIN—Nocturne in C minor, op. 48, No. 1. SCHUMANN—Symphonic Studies in Variation Form, op. 13.

March 12—SONATA.

SCHUMANN—Second Sonata in G minor, op. 22. SARAN—Fantasia in Form of a Sonata, op. 5.

March 19—FANTASIA.

(At this Recital assistance was kindly rendered by Mrs. STUART CLOSE, Pianiste.)

MOZART-GRIEG—Fantasia and Sonata in C minor, with additional part for Second Piano. BEETHOVEN—First Movement of Sonata, in C sharp minor, op. 27, No. 2. SCHUMANN—Three Selections from the Kreisleriana; Fantasie Pieces, op. 16. CHOPIN—Fantasia in F, op. 49.

Fourth Course—General Topic: Musical Masterpieces.

April 16—SCHUBERT, MACDOWELL.

SCHUBERT—Fantasia in C, op. 15. Called "The Wanderer Fantasia. MACDOWELL—Sonata Tragica, op. 45.

April 23—BEETHOVEN.

Three Movements from Sonata Pathétique; op. 13, in C minor. First Movement from Sonata Appassionata; op. 57, in F minor. First Movement from op. 106, in B flat. First Movement from op. 111, in C minor.

April 30—CHOPIN.

Four Preludes from op. 28. Second Sonata in B flat minor, op. 35. Two Etudes: Op. 19, No. 12; and op. 25, No. 7. Second Ballade in F, op. 38.

May 7—SCHUMANN.

Fantasia in C, op. 17. Sonata in F sharp minor, op. 11.

STUDENTS' ORGANIZATIONS.

1. "THE ADELPHIAN." Established 1881, and published monthly by the Adelpian Publishing Association. Marguerite Walbridge, C., '00, and Frank H. Appleton, A., '02, Editors-in-chief. Associate Editors: Mary S. Bacchus, C., '01; John W. Ager, A., '00; Stockbridge Bacchus, A., '02; Cora B. Snowden, C., '02; Lillian Chace, Sp.; Grace Cooper, A., '02. Business Manager: Robert Salter, C., '03.

2 and 3. COLLEGE STUDENTS' ASSOCIATIONS FOR SELF-GOVERNMENT. Organized 1896. GIRLS: Emily G. Kelsey, C., '00, Pres.; Helen E. Redding, C., '01, Vice-Pres.; Jenny I. Pfeiffer, C., '02, Sec.; Ruth Cutter, C., '03. Treas. BOYS: William E. Burtis, C., '02, Pres.

4. DRAMATIC ASSOCIATION. Lewis M. Thornton, Sp., A., Pres.; Board of Directors: Athel C. Burnham, Sp., A.; Royal H. Fowler, A., '03; Theodora Goldsmith, C., '01; Florence Hanna, Sp., A.; Mary S. Welles, Sp., A.

5 and 6. GLEE CLUB; MANDOLIN CLUB. Prof. John Hyatt Brewer, Director.

7. SKETCH CLUB. Prof. J. B. Whittaker, Pres.; E. Mandeville, Vice-Pres.; Mrs. G. Evans, Sec.; Miss O. Whitmore, Treas.

8. THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION OF ADELPHI COLLEGE, in affiliation with the New York State, the American, and the World's Associations, and the Student Christian Federation.

Organized, October, 1899. Association Room, No. 41. Officers: President, E. Jessie Ogg, '00; Vice-President, Alice L. Nason, '02; Secretary, Grace C. Cotton, '02; Treasurer, Ruth Cutter, '03.

Regular monthly business meetings and weekly devotional meetings are held, and classes meet weekly for Bible study.

9. THE ADELPHI UNION. Organized December, 1899. For Philanthropic and Christian work; comprises Alumnæ of the College, the Academy and the Normal Course. It is at present working in connection with the Brooklyn Bureau of Charities, and maintains classes at the Bedford Branch, 1660 Fulton Street. It has also established there a Provident Station, and a lending library. Officers: President, Miss Amy Romer, B. A., '98; Vice-President, Miss Margaret Johnson, B. A., '99; Treasurer, Miss Louise Munson, B. A., '99; Secretary, Miss Caroline Althans, Normal, '97. Board of Directors: Miss Alice Casamajor, B. A., '99; Miss Alice Pfizer, B. A., '99; Miss Anna E. Harvey. Director of the Normal Course: Prof. Elizabeth Venable Gaines, B. A., '98; and Miss Jessie Ogg, C., '00.

10. THE ADELPHI HISTORICAL CLUB meets fortnightly during the College year for the purpose of listening to original papers on historical subjects, and for the discussion of topics of historical interest. All students in Adelphi College, who are especially interested in the study of history, are welcomed to membership.

Officers : President, Dr. A. G. Fradenburgh ; Secretary, Miss Emily C. Seaman ; Executive Committee, Mr. A. B. Keep, Miss Mabel Miller, Mr. E. E. Proper.

II. THE ADELPHI MATHEMATICAL CLUB. *Officers* : President, Dr. Joseph Bowden ; Secretary, Llewellyn R. Perkins. Meets once a week, Monday, 4 P. M.

COMMENCEMENT, JUNE, 1899.

The third annual commencement of Adelphi College was held in the College Hall, Friday evening, June 9th, 1899. Rev. Dr. Theodore L. Cuyler offered prayer, and an address was delivered by Dr. William H. Maxwell, City Superintendent of Public Instruction. Degrees were conferred as follows :

Bachelors of Arts—Freda Marguerita Brunn, Alice Casamajor, Mary Casamajor, Margaret Edith Johnson, Emma Louisa Johnston, Mabel Alvord Knudson, Cornelia Lewis, Lucy Taylor Lewis, Mary E. Mathews, Mabel Emily Munson, Marie Louise Munson, Helen Cone Parker, Alice M. E. Pfizer, Edna Story, Sophie Zollinhofer.

Bachelors of Science—Frank Davis Morgans, Emily Cromwell Seaman, Mary Douglas Womack.

Award of Barlow Medals to Students in the Sophomore Class, 1899.

In the Literary Course—Helen Edmunds Redding.

In the Scientific Course—Hans Trier.

Diplomas of the Adelphi Normal Course were awarded to the following students : Jessie B. Brown, Ethel Marie English, Florence Jaquith Linnekin, Beulah Beach Munson, Evangeline R. Nixon, Geraldine Mercedes Shevlin, Maude Watson, Celestine Madeline Zerega, Inez Regina Zerega.

REGISTER OF STUDENTS IN ADELPHI COLLEGE. 1899-1900.

GRADUATE.

SEAMAN, EMILY C., B. S., (Adelphi, '99).

SENIOR CLASS.

Bergen, Eldert	Ogg, E. Jessie
Kelsey, Emily G.	Stanton, Mildred A.
Martin, Florence E.	Tucker, Louise E.
Maxon, Winifred	Vernon, Edith L.
Norton, Caroline S.	Walbridge, Marguerite—10

JUNIOR CLASS.

Bacchus, Mary S.	Mayhew, M. Louise
Blake, Mabelle A.	Redding, Helen E.
Comins, Helen A.	Thackray, M. Josephine
Goldsmith, Theodora	Whittaker, Margaret S.—8

SOPHOMORE CLASS.

Ager, John W.	Nason, Alice L.
Aller, Georgetta P.	Pfeiffer, Jenny I.
Brown, Julia L.	Raine, Charles W.
Burtis, William E.	Ray, Helen
Cotton, Edith A.	Rogers, Dallas H.
Cotton, Grace C.	Snowden, Cora B.
Emerson, Ethel M.	Spencer, John H.
Fuller, Ethelyn A.	Thomson, Ralph M.
Henson, Violet L.	Van Cleve, Christine
Hitch, Laura D.	Vernon, Laura
Hollenback, Juliette G.	Webb, Annie M.
Martin, Harriett M.	Whitney, Katherine E.—25
Matson, Clarine V. B.	

FRESHMAN CLASS.

Abraham, Edith S.	Gilmore, H. Blake
Auel, Pauline M.	Greene, Katherine S.
Barber, Sara M.	Hall, Ethel
Bliss, Ida L.	Levy, Dora
Burrows, Mary H.	Louis, Amelia C.
Coppins, Hazel E.	Mitchell, Marguerite
Crane, Emma S.	Murr, Laura H.
Cutter, Ruth L.	Riedel, Carl O.
Demarest, Minnie R.	Salter, Robert S.
Finlay, Eva H.	Story, Josephine B.
Gauvran, Ethel H.	Wykes, Leila—23
Gelston, May	

MATRICULATED STUDENTS IN TEACHERS' COURSES.

Barber, Cora L.	Jackson, Helen M.
Bogue, Harriet L.	King, Katherine J.
Cappel, Emma M.	Mackay, Jennie M.
Clark, Leila C.	MacNary, Alice B.
Ennis, Isabelle A.	Porter, Alice S.
Goll, Bertha C.	Pyles, Marion
Gray, Temperance	Quinlan, Grace M.
Henry, M. Barbara	Robinson, Nora F.
Henry, Ida M.	Starkey, Mary F.
Higgins, Alice	Turner, Kate E.
Hobbs, Alice E.	Washington, Mary E.
Hobbs, Amy L.	Whitcomb, Mrs. Jennie S.
Hochart, Marie	Wilson, Ethel M.
Holden, Gertrude E.	Wilson, Grace C.--28

SPECIAL STUDENTS.

Alway, Hester	Jones, Edwin
Appleton, Winifred	Kennedy, Mary S.
Audemars, Daisy A.	Knapp, Florence A.
Barnum, Madalene D.	Kouwenhoven, Lillie
Bessey, Jennie A.	Lockwood, Isabelle
Boone, Adeline L.	Mason, Anna M.
Bruce, Louise	Mason, Isabel J.
Buckley, Rebecca T.	McCormick, John
Burnham, Athel C.	Miller, Lydia
de Fremery, Elinor V.	Moller, Lillian C.
Drew, Hortense D.	Myhr, Alfchild F.
Eldredge, Edna H.	Porter, Alba H.
Elmore, Mary	Powers, Lillian I.
Emery, Maud L.	Richmond, Sarah
Finn, Edith G.	Searing, Beulah C.
Garland, Adelaide P.	Simmons, Marcia
Goddard, Mrs. Mary C.	Strachan, Grace C.
Graff, Lucy	Sullivan, Janet
Halbert, Anna E.	Swartz, Mabel H.
Hall, Ruth G.	Usher, Matilda
Jenkins, Clarence C.	Williams, Aletta—42

RECAPITULATION.

Post-Graduate,	1
Seniors,	10
Juniors,	8
Sophomores,	25
Freshmen,	23
Matriculated Students in Teachers' Courses,	28
Specials,	42
Total,	137

THE ADELPHI NORMAL COURSE, OR TRAINING CLASS FOR KINDERGARTNERS.

Faculty.

CHARLES H. LEVERMORE, Ph.D., President.

ANNA E. HARVEY, Director, Instructor in Kindergarten Theory, and
Secretary of the Faculty.
FREDERICK W. OSBORN, B.A., A.M., Professor of Psychology and Education.

JOHN B. WHITTAKER, Professor of Painting and Drawing.

ELIZABETH V. GAINES, B.A., Professor of Biology.

FRANCES H. FLAGLER, Instructor in Physical Culture.

CAROLYN S. KIBBE, Instructor in Vocal Music.

SARAH E. SCOTT, A.M., Instructor in Theory and History of Education.

ADALINE G. WYKES, Instructor in Manual Training.

This course extends through two years. Candidates for admission must be at least eighteen years of age, must have had either a high-school training or its equivalent, and must satisfy the Director that they are competent to study kindergartening with prospect of success. Students who complete the full course and give satisfactory proof of proficiency and ability will receive a diploma certifying to their attainments. Only a limited number of students will be admitted to this Course.

Course of Study.

First Year.	Second Year.
The First Six Kindergarten Gifts. Clay Modeling, Paper Folding, Parquetry, Mat Weaving, Sewing, } Kindergarten Occupations. Elementary Psychology. Free-Hand Drawing and Color Work. History and Theory of Education. Lectures on the History of Art (optional). Kindergarten Drawing. Music—voice culture. Zoölogy and Botany. Physical Culture.	The Last Seven Kindergarten Gifts. Slat Interlacing, Paper Interlacing, Paper Cutting Peas Work, Card Modeling, Coloring, } Kindergarten Occupations. Lectures on the History of Art (optional). Music—voice culture. Physical Culture. Study of Froebel's "Education of Man." Mutter und Kose Lieder. Theory and History of Education. Psychology.

Candidates for admission must present certificates from institutions of recognized standing, or be prepared to pass examinations in the following subjects: English (Grammar, Rhetoric, and Literature—the college entrance requirements for the year or their equivalent), General History, Physiology, Plane Geometry, Physics, and three years' study of a language other than English.

Candidates may present themselves for examination in either June or September at the time of Adelphi College entrance examinations, as stated in the College calendar. Applications for admission to these examinations should be made at least one week before the date of the examinations, to the Director,

MISS ANNA E. HARVEY,

“Adelphi College,

“Brooklyn, N. Y.”

Terms: The fee for instruction in the Training Class is \$100 per annum. There are no extra charges.

The Adelphi Normal Course for Kindergartners was organized in 1893. The first-class, consisting of nine members, graduated in 1895. The statistics to the present date are as follows:

Number of Graduates.....	53
Teaching in Public Schools {	
Directors.....	7
Assistants.....	8
	— 15
“ “ Private “ {	
Directors.....	13
Assistants.....	2
	— 15
“ “ Association or Free Kindergartens,	
Directors.....	3
Assistants.....	7
	— 10
Acting as substitutes.....	3
	— 43
Married.....	6
Not candidates for any position...	4
	— 10
	— 53

The Adelphi Normal Kindergarten Alumnae Association was organized in 1896. The officers for 1899-1900, are: President, Kate E. Haley, '98; Vice-President, Margaret Holmes, '95; Secretary, Florence B. Settle, '98; Treasurer, Bessie H. Thompson, '97. In 1898 this Association directed its efforts toward maintaining a free kindergarten at the Bureau of Charities, 1660 Fulton Street, Brooklyn. This work has been carried on most successfully since that time, and

affords an excellent opportunity for practice work for the normal students. The Mothers' Club organized in connection with this kindergarten is the best proof of the good of the work in this neighborhood. Acquaintance with this Mothers' Club is particularly valuable to the normal students in that it prepares them for work among mothers, a work which is carried on in all Association and Public School Kindergartens. In addition to the practice teaching in the Almunæ Kindergarten, the normal students have had opportunity for teaching in the Kindergartens of the Church of the Incarnation, (Quincy Street, near Classon Avenue), of the "Children's Mission," (Eagle Street, Greenpoint), and in the Intermediate Department and Kindergarten of the Adelphi.

Register of Students in Normal Course, 1899-1900.

SENIOR CLASS.

Arcularius, Grace Chalmers
Birdsall, S. Josephine
Edson, Amanda
Hamilton, Maude

Hoffmann, Louise Marie
Martin, E. May
Newell, Mary Esther
Shaw, May Chace—8

JUNIOR CLASS.

Allaire, Louise
Dickie, Laura (Sp.)
Dunham, Mabel Florence
Eddy, Gertrude
Fawcett, Ada M.
Gauvran, Ethel H.
Ludlum, Alice C.

Major, Maria Catalina
Phair, Edith Olive
Shelley, May Constance
Smith, Olive Knight
Warren, Harriette D.
Wyckoff, Florence E —13



THE ADELPHI FIELD.



IN THE STUDIO.

THE DEPARTMENT OF FINE ARTS.

Faculty.

CHARLES H. LEVERMORE, Ph.D., President.

FREDERICK W. OSBORN, B.A., A.M., Professor of Psychology and Education.

JOHN B. WHITTAKER, Director of the Art School, and of the Normal Art Course.
Professor of Painting and Drawing.

HENRY G. HANCHETT, M.D., Professor of Theoretical Music.

JOHN HYATT BREWER, Professor of Vocal Music.

LOUISE BOTH-HENDRIKSEN, Instructor in the History of Art.

EDITH HALL GALE (Mrs. W. S. Gale), Accompanist.

GERTRUDE M. HALE, Accompanist.

CAROLYN S. KIBBE, Instructor in Vocal Music.

ASHBURTON S. LEWIS, Accompanist.

SARAH E. SCOTT, A.M., Instructor in Theory and History of Education.

OLIVER WEBB, Instructor in Wood-working.

ADALINE G. WYKES, Instructor in Drawing.

Drawing is rightly a part of the education of every man and woman. A knowledge of it may always be turned to account, especially in these days when there is so large a demand for decorative work and applied art. There is no other study, regarded in the light of training that so inculcates the power and habit of observation, that so fosters accuracy, or tends more surely to correct these errors of sight, and incidentally of judgment, that arise from inapt seeing. Nor does any study prove to be of greater service to the student in after-life, even though he pursues a vocation that is far removed from art. Pictures are the universal language, and the ability to make them, slight though it may be, is one that confers a distinct practical advantage on the individual, while it is of yet higher service in purifying his pleasures and raising the standard of his tastes.

Drawing has a place in every year of the curriculum of the Academy. In the primary grades it has a solid basis in the manual training course, with which it is properly joined. The manual training work-rooms are two in number, one for younger pupils and one for students who are old enough for bench work and carving. In the higher grammar grades and in the collegiate department free-hand drawing may be continuously studied, either as required or optional work. In

addition to the facilities offered to the students in the regular courses of study, every possible advantage is secured to those who wish to devote themselves exclusively to the study of art.

The whole of the upper story of the Collegiate Building is devoted to the Art Department. There is a spacious studio, which is furnished with full and half-sized statues, large and small torsos, busts, masks, and reliefs. There is also a large room for classes in drawing and painting from life. Besides, there are three rooms : for modeling, the making of casts, and for the use of small classes.

The special student entering the Art Department is independent of the other departments of the school, and there are no restrictions as to age. One may choose, according to predilection or ability, between the antique, still life, portrait-figure, charcoal, pastel, oil and water color, or he may include all in his studies for which he finds time.

Students in this Department are admitted to all the privileges of the College Library and Reading-room.

It is hardly needful to cite the success which has come to many of our painters, sculptors, and illustrators from the training and criticism they received in this school. It is enough merely to name among its graduates such well-known artists as William Ordway Partridge, Frank M. Boggs, Wilson De Meza, Albert P. Lucas, Orrin W. Simons, Harry Roseland, Hugh Eaton, W. E. Plympton, Phœbe Bunker, Eleanor Bannister, Mrs. G. D. Stearns, Gerald L. Steenks, Carrie L. Carter, Mrs. A. W. Bailey, M. R. Dixon, Alice Lovett, C. A. Burlingame, and Joseph H. Boston.

NORMAL ART COURSE.

The studies in the Art School and the College have been combined so that they constitute a Normal training for students who wish to become teachers of drawing. Applicants for admission to this course, who intend to become candidates for Drawing Certificates, must be at least 18 years of age, and must either be graduates of a High School or be able to show by examination that they possess an equivalent preparation. All applicants will be required also to pass an examination in drawing, set by the Director of the Art School. Students in the Normal Art Course are required to attend five whole-day sessions weekly (whole-day session, 6 hours), and also such sessions of the Evening Life classes and the Sketch Club as are designated by the Director. The course is for two years, and a diploma is awarded to those students who complete the work of the course satisfactorily. The fee for instruction in the Normal Art Course is \$75 a year, payable quarterly in advance. All students in this course may, at the discretion of the Director and Faculty, be required to attend courses of lectures upon Art that are among those delivered each year before the Brooklyn Institute.

Course of Study.

First Year.	Second Year.
Cast Drawing and Clay Modeling, 4 half-day sessions. Freehand Perspective, Sketching and Composition, 3 half-day sessions. Instrumental Drawing, 1 half-day session. History of Art (Miss Louise Both-Hendriksen), 4 hours weekly. Psychology (Prof. F. W. Osborn), 2 hours weekly. History and Theory of Education, (Miss Sarah E. Scott), 2 hours weekly.	Cast Drawing, 1 half-day session. Freehand Perspective and Sketching, 2 half-day sessions. Composition, 2 half day sessions. Water Color, 2 half-day sessions. Elementary Manual Training, 3 hours weekly. History of Art (concluded), 1 hour weekly. Psychology (concluded), 3 hours weekly. Pedagogics (concluded), 3 hours weekly.

For circulars and other information concerning the Adelphi Art Department and Normal Art Course, address the Director,

PROF. J. B. WHITTAKER,
 Adelphi College,
 Brooklyn.

Register of Students in Art Department, 1899-1900.

DAY CLASSES.

Andrews, William C.	Mills, Amos R.
Bellevue, Adrien	Nearing, Grace
Bliss, Ethel	Owens, W. Douglas
Bonner, Catherine M.	Pine, Eva P.
Brown, Mrs. George R.	Pollock, Isabelle
Brown, Mabel E.	Prentiss, Ella J.
Buckman, Susie	Puddington, Annie M.
Burky, Anna J. N.	Ray, Edith
Büsing, Paula	Read, Lillian
Bussmann, Herman	Reitzenstein, Emily
Campbell, Florence E.	Richter, Erna
Child, Josephine F.	Robinson, C. Marguerite
Coffin, Lillian L.	Rohlfing, Mary A.
Darling, Anna M.	Ross, Harold D.
DeBaun, Margaret	Schoveling, Rose E.
Fairbairn, Mrs. H. A.	Seelbach, Frederick G.
Fitzmaurice, Mrs. C.	Selss, Valeska M.
Foote, Lottie E.	Shiff, Lillian Oliver
Foster, Georgie L.	Sliter, Mary Allen
Gould, Fannie C.	Smith, Saidee A.
Grube, Arthur	Stearns, Leontine D.
Guarino, Anthony	Towns, Christine
Hamilton, Isabelle M.	Tree, Florence M.
Hawes, Mary A.	Tuttle, Mildred E.
Hoffman, Helene	Uhlig, Marie E.
Holland, David B.	Upperman, Lillian E.
Hudson, Mrs. Emma II.	Van Altena, Mrs. V.
Huntington, Blanche	Van Buren, Grace
Keep, Marian L.	Van Ingen, Frances
Kissam, Florence E.	Volk, J. Estelle D.
Klein, Hattie	Warrin, Edmondson
Lasher, Mrs. Susan E.	Wegener, Charles E.
Lovett, Alida R.	Wiggins, Guy C.
Maine, Frederic E.	Williams, Ethel
McIntyre, Maie G.	Wright, Mrs. M. M.
Mendrick, Max	Wright, Nettie T.—73
Messmer, Charles E.	

EVENING CLASSES.

Alden, Edwin	Hammitt, Edwin A.
Anderson, Andrew	Harper, Frank E.
Bawden, Oliver H. P.	Harvey, George B.
Bayley, Robert	Heath, Edda M.
Bochler, Allen	Henken, Henry
Brandt, Adalina	Hermann, Max R.
Brown, William J.	Hine, Mrs. Percy
Broxton, Ernest	Holland, David B.
Caccia, Walter	Huntington, Blanche
Carroe, Otis L.	Jaminsky, Emma
Caswell, Ernest	Kahles, Fred F.
Church, W. Edward	Kane, Martha
Clay, Emma	Kerans, Frank
Cleveland, Stephen G.	Kirsch, Louis
Conselyea, Mrs. Anna B.	Knee, James
Cook, Dorothea	Knowles, Louise
Corso, Joseph	Koenig, Emmeline E.
Cox, John	Kreamer, Savier
Crosby, Roy C.	Lasher, Susan E.
Culbertson, Josephine M.	Ledger, Marion
Curtiss, Mrs. George	Leibschcr, Gustave
Deitsche, Adolph	Livingston, Roland H.
Dession, George	Lockhart, Frank B.
DeWillard, Frederick	Macoy, Mary
Downs, Eunice	Mandeville, Elise E.
Dwelle, Vernon	Mark, John S.
Engs, Walter	Marsh, Grace E.
Evans, Mrs. G. A.	Martino, Esther
Field, Emilie	Martino, Mary
Filmore, Gussie	Maynard, Charles
Fitzmaurice, Mrs. Charles	McRae, George
Foley, Frederick	McVey, Arthur W.
Foote, Lottie E.	Mendrick, Max
Frederick, Minnie	Miles, Alberta C.
Fuller, Arthur B.	Miller, August W.
Furman, Gustave	Miller, Mabel
Gazan, Charles A.	Moll, Nellie
Goldstein, David	Morse, Mrs. R.
Gompert, William H.	Neuners, John
Grube, Arthur	Noe, Estelle V.
Gurnee, Thomas C.	Ott, Henry
Hadom, Alfred P.	Palmer, Lizzie M.

Perrick, Frederick	Spencer, Ruth
Peterson, Peter	Speth, John
Pfeiffer, Clara A.	Sullivan, Francis
Pich, Edward	Sullivan, John F.
Pinney, Florence	Tait, Howard
Pollock, Frank	Thinnes, Jacob
Pollock, John B.	Thran, Maurice
Quinn, Anna T.	Thurston, Edwin
Rawlinson, Tillie	Tuttle, Mildred
Rawson, Mrs. P. B.	Tuttle, Mrs. Minnie E.
Raymond, Julie E.	Tyrrell, Edward T.
Reiners, Robert W.	Van Cleaf, Harry V.
Robinson, C. Marguerite	Vanderwaag, William
Sandberg, George A.	Van Ingen, Florence
Seelbach, Fred G.	Van Syckle, William
Seward, William P.	Vaughen, Adolph
Sheenan, Mary A.	Walker, Alice
Shephard, George	Walker, Mabel
Simmons, George H.	Warrin, Edmondson
Smith, John W.	Way, Cornelia M.
Smith, Leslie J.	Whitmore, Olive B.
Sontag, Louis	Wood, George W.—128

RECAPITULATION.

Day Classes,	73
Evening Classes,	128
	—
	201
Deduct names inserted twice,	10
	—
Total in Art Department,	191

THE SCHOOL OF MUSICAL ART.

Faculty.

CHARLES HERBERT LEVERMORE, B.A., Ph.D., President, *ex-officio*.

HENRY GRANGER HANCHETT, M.D., A.G.O., Director,
Piano, Analysis, and Interpretation.

RAYMOND HUNTINGTON WOODMAN, A.G.O., Organ, Harmony, Composition.

CHARLES HENRY MORSE, A.G.O., History of Music.

JOHN CORNELIUS GRIGGS, B.A., Ph D., Singing.

MRS. HENRY SMOCK BOICE, Voice Culture.

MISS ELLEN HOLLY, Piano.

MRS. STUART CLOSE, Piano.

MISS ELLEN AMEY, Violin.

MISS SUSAN S. BOICE, Vocal Culture.

MISS LILIAN HOLLY, Registrar.

Board of Examiners in the School of Musical Art.

MR. DUDLEY BUCK, Organ and Theory.

DR. WILLIAM MASON, Piano.

MR. WILLIAM H. SHERWOOD, Piano.

MRS. GERRIT SMITH, Singing.

COURSES OF STUDY.

Three courses of study will be offered in this School—the Collegiate, the Practical, and the Professional. The first will aim to give that cultured appreciation of the aim and purpose of the musician and of the value of his work that should distinguish the well-educated person, whatever his special intellectual interests. The second will aim to form intelligent and artistic performers and singers. The third will endeavor to furnish the technical training needed by the artist, both theoretical and practical; it will include all of the other courses, with additional special studies chiefly of a practical nature.

THE COLLEGIATE COURSE is designed specially for those who are occupied with other pursuits, particularly for students in Adelphi and other schools, or for those beyond school age who wish to acquire a general knowledge of music as an

art. Practical work may be added to the course if desired, and its amount can be adjusted to individual needs. Students who are taking such practical work elsewhere may undertake the theoretical part of the Adelphi course. The Recitals and Theoretical Classes included in this course are described in "Courses of Study," Nos. 120-122.

THE PRACTICAL COURSE will afford instruction in the arts of piano, organ and violin playing, and of singing. It will provide for the needs of students of all ages and of every grade of advancement, and will consist of :

(a) Classes in Keyboard Technique. The Virgil Clavier Method is preferred by the Director, and classes in it will be open to those who are prepared to profit by the instruction given without detriment to the class as a whole. The method used is peculiarly adapted to class work as every pupil can be constantly employed during the entire lesson, all the class being engaged in the same work simultaneously. The Clavier Method, however, is not required ; other methods, if preferred, can be employed in piano-study in this School.

(b) An Interpretation Class is open to advanced students whose work is worthy of criticism from an artistic point of view, and who wish to accustom themselves to public performance. Listeners are admitted to this class.

(c) Private instruction in all practical branches. Instrumental lessons are one full hour each, once a week, or forty-five minutes twice a week. Vocal lessons are thirty minutes each twice a week. No class lessons are given either in playing or singing.

THE PROFESSIONAL COURSE is intended to equip the student for his life-work as composer, critic or performer. All of the classes of the Collegiate and Practical Courses are included in the work of this course, and, in addition, Musical History and private study of the higher branches of theory and composition, and artistic interpretation. Students completing the course will be prepared and recommended for the degree of Musical Bachelor. Graduation will be accorded those who having studied not less than one year in this School, are fitted, in the judgment of the examiners, to enter some branch of the musical profession. No person will be graduated on either practical or theoretical work alone, but must offer acceptable work of both sorts. The standard of attainment for professional musicians of various specialties must necessarily be somewhat flexible, and the examiners will keep this fact in mind in deciding the rating of a candidate for graduation. A thorough knowledge of Harmony will be required in all cases.

Credentials stating the amount of work accomplished will be accorded to all students desiring them upon completion of not less than one year of satisfactory work in the school. By appearing before the examiners and satisfying them as to attainments, their names may be secured upon such credentials. The fees for examinations and certificates vary from \$15 to \$25.

RECITALS AND CONCERTS.

Musicales will be given from time to time before the School. The Director's recitals are given at short intervals throughout the year. Pupils who are really competent assist in public concerts; those sufficiently advanced appear before the Interpretation Class, and are there trained in public performance.

Special students may be admitted at any time to private lessons or any of the classes of the School, or to its recitals and concerts. They will be charged from the date of admission.

The right is reserved to withdraw any class or course herein announced if less than six students apply for it at the opening of the term.

The School is equipped with Weber Grand Pianos.

RATES OF TUITION.

By the Term of Eight Weeks. Payable Strictly in Advance.

	TO ADELPHIANS.	TO ALL OTHERS.
Analytical Recitals (Course of Four)	\$ 0.	\$1.00
Class Instruction	From \$ 4 to \$10	From \$ 7 to \$16.
Private Instruction (one hour weekly) accord-		
ing to branch or teacher	From \$13 to \$40	From \$16 to \$40.
Adelphi Required Theoretical Course		
(Classes)	\$10	\$17.

Pupils taking two or more classes in connection with lessons from the Director are allowed a considerable reduction on the price of the latter.

Each term in the School of Musical Art consists of eight weeks. Lessons omitted on account of holidays will be made up. Lessons missed by pupils and time lost by their tardiness are forfeited. In case of protracted illness exceeding four weeks and by arrangement made in advance, the *private* lessons lost may be postponed to another term, or one-half the loss will be borne by the School. Class lessons cannot be postponed or made up if omitted.

All bills for tuition are for one full term of eight weeks, and are due and payable to the Director strictly in advance at the time of the registration, or at the opening of a term. Music may be paid for when taken or on presentation of bill.

OFFICE HOURS.

The Director's office hours are at twelve, noon, on Tuesdays, Wednesdays, Fridays and Saturdays. Special pupils in Music who wish to take literary or other studies in Adelphi, should confer with the Director of the School of Musical Art. Students in other departments of Adelphi who wish to study some musical branch should consult their class adviser or the President.

For further information, address the Director,

DR. HENRY G. HANCHETT,
Adelphi College, Brooklyn.

LIST OF STUDENTS.

Winifred Appleton	Laura Isabel Macclinchey
Evangeline Lewis Close (Mrs. Stuart Close)	Lotta Maria Meister
Marguerite Starrett Cook	Florence Helen Miller
Mabel Ida Dodge (Mrs. C. J. Dodge)	Mary H. Ogden
Grace Dodge	Milton Chase Palmer
Louise Douglass (Mrs. F. H. Douglass)	May Theresa Pettit
Lilian Eschman	Grace Ballaney Powell
George H. Fellows	Mabel Katheleen Swezey
Margaret Elizabeth Geddes	Mary Evelyn Thomas
Mary Hamilton	Jane E. Thurston
Sophie Magdalen Kayser	Elizabeth Ford Tuttle
Cornelia Kinhead	Edith L. Vernon
M. Clyde McCarroll	Esther Maria Wilson (Mrs. Floyd Wilson)—26

Summary of number of students in Adelphi College and its subordinate departments, except the Adelphi Academy.

Adelphi College,	137
The Art School,	191
Normal Course for Kindergartners,	21
The School of Musical Art,	26
	375
Deduct names inserted twice,	3
Total,	372

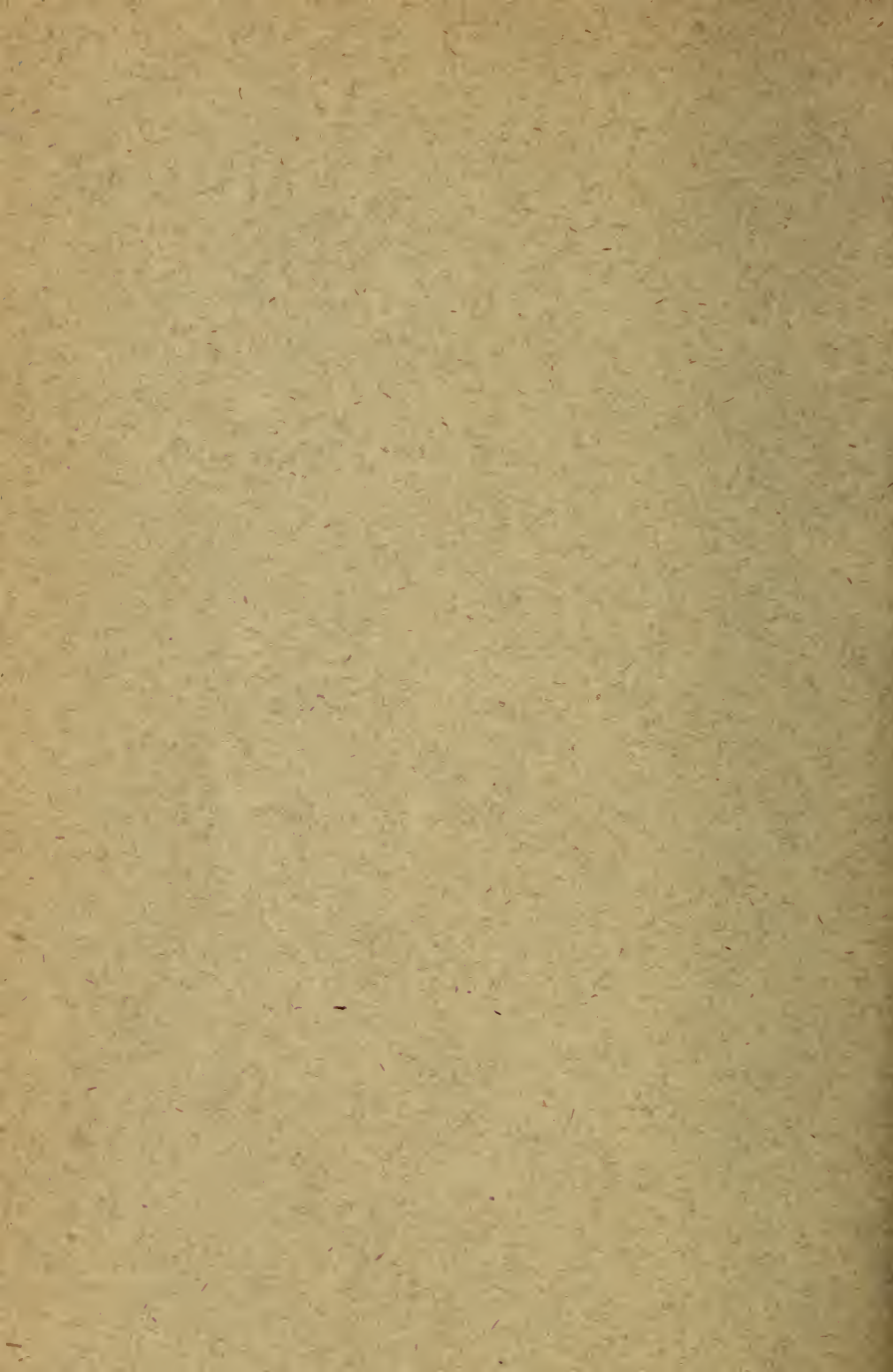
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In the Studio.....	“ “ 41

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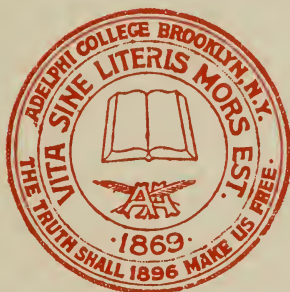
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delphi

College



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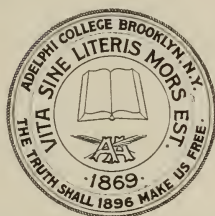


ADELPHI COLLEGE

ADELPHI COLLEGE

CATALOG.

1901



Lafayette Avenue, St. James Place and Clifton Place,
BROOKLYN, N. Y.

PUBLISHED FOR THE COLLEGE.

1901.

CALENDAR.

1901-1902.

Commencement.....Wednesday, June 19, 1901.
 Applicants for admission received.....June 20-22, 1901.
 Fall term begins.....Wednesday, September 18, 1901.
 Applicants for admission received.....September 18-20, 1901.
 Condition Examinations begin.....Friday, September 20, 1901.
 Recitations begin.....Monday, September 23, 1901.
 Second Term begins.....November 27, 1901.
 Third Term begins.....February, 5, 1902.
 Fourth Term begins.....April 16th, 1902.
 Commencement.....Wednesday, June 18, 1902.

HOLIDAYS.

Thanksgiving Day and the day after.
 Christmas Recess.....Dec. 21, 1901, to Jan. 1, 1902, inclusive.
 (Exercises close at the end of the afternoon session, Friday, Dec. 20, 1901.
 Exercises resumed at 8.50 A. M., Thursday, January 2, 1902.)
 Lincoln's Birthday.....February 12, 1902.
 Spring Recess.....March 28, 1902, to April 6, 1902, inclusive.
 (Exercises close at the end of the afternoon session, Thursday, March 27,
 1902. Exercises resumed at 8.50 A. M., Monday, April 7th.)
 Decoration Day.....May 30, 1902.
 All legal holidays are observed.

OFFICE HOURS.

The President, daily, on and after September 16, 9 to 10 A. M.
 The Library, session days, 8.30 A. M. to 4 P. M.
 The Gymnasium, session days, 9 A. M. to 5 P. M.; Saturdays, at the
 pleasure of the Director. 9 A. M. to 12 M.
 The Bursar, session days, on and after September 16, 9 A. M. to 12 M.;
 2 P. M. to 4 P. M.
 For catalogs and other information address "The Registrar, Adelphi
 College, Brooklyn."

BOARD OF TRUSTEES.

Names, except that of the President, in order of seniority.

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Art Committee: MATTHEW HINMAN, MARY E. BUTTERICK, AMELIA B. HOLLENBACK, CHARLES H. LEVERMORE.

OFFICERS OF INSTRUCTION AND GOVERNMENT.

FACULTY.

(NAMES OF THE FACULTY, EXCEPT THAT OF THE PRESIDENT, STAND IN ORDER OF APPOINTMENT TO PROFESSORSHIPS OR ASSISTANT-PROFESSORSHIPS.)

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- FREDERICK WEBSTER OSBORN, B.A., A.M. (Yale, '55, '58),
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- WILLIAM CLARK PECKHAM, B.A., A.M. (Amherst, '67, '70),
Professor of Physics.
- JOHN BARNARD WHITTAKER, Professor of Painting and Drawing.
- WILLIAM WALDEMAR SHARE. Ph.B., Ph.D. (Columbia, '81, '84),
(*On leave of absence*, 1900-1901.) Professor of Chemistry and Geology.
- HENRY STOUT PETTIT, M.D. (L. I. College Hospital, '90).
Director of the Gymnasium and Professor of Physical Culture.
- WILLIAM CRANSTON LAWTON. B.A. (Harvard. '73),
Professor of the Greek Language and Literature.
- ELIZABETH VENABLE GAINES, B.A. (Adelphi, '98),
Professor of Biology.
- VIOLETTE EUGENIE SCHARFF, B.A. (Adelphi, '00),
Professor of the French Language and Literature.
- JOHN A. SANFORD. B.A. (Brown. '82), Ph.D., M.A. (Univ. of
Minn., '94, '96),
Professor of the Latin Language and Literature.
- MAX FRIEDRICH BLAU, Ph.D. (Leipzig, '88).
Professor of the German Language and Literature.
- JOSEPH BOWDEN, B.A., Ph.D. (Yale, '91, '97),
Professor of Mathematics.
- HENRY GRANGER HANCHETT, M.D. (N. Y. Hom. Med. Coll., '84),
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- HORACE HUMBOLDT HOWE, Ph.B. (Syracuse, '79), M.A.
(Stanford, '96),
Superintendent of Academic Department.
- JOHN HYATT BREWER, Professor of Vocal Music.
- ADELBERT GRANT FRADENBURGH, B.A. (Allegh. Coll., '90),
Ph.D. (Univ. Wis., '94),
Assistant Professor of History and Politics.

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- LOUISE CHARVET,
Assistant Professor of the French Language and Literature.
- WILLIAM ASHENHURST DUNN, B.A., M.A. (Princeton, '93, '94),
Ph.D. (Strassburg, '99),
Assistant Professor of the English Language and Literature.
- REGINALD B. ALLEN, B.S., M.S. (Rutgers, '93, '97),
Assistant Professor of Mathematics.
- GUSTAV JULIUS VOLCKENING. Met. E., E.M. (Columbia, '88, '89),
Acting Professor of Chemistry and Geology, 1900-1901.
- ANNA E. HARVEY,
Director of Normal Course.

Instructors.

- SOL. D. BENOLIEL, B.S. (C. C. N. Y., '93), E.E., M.A. (Columbia, '96).
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- LOUISE BOTH-HENDRIKSEN, Instructor in the History of Art.
- FREDA M. BRUNN (Teachers' College '97), B.A. (Adelphi, '99),
Instructor in Psychology.
- FRANCES H. FLAGLER Instructor in Physical Culture.
- CAROLYN S. KIBBE, Instructor in Music (Normal).
- ALICE I. KENT, Assistant in the Department of Pedagogics.
- WILLIAM P. MACFARLANE, Instructor in Elocution,
in Charge of the Department.
- FRAU ANNA M. REINER, Instructor in German.
- NELLIE L. ROETHGEN, Assistant in the Department of Pedagogics.
- SARAH ELIZABETH SCOTT, M.A. (Adelphi, '98),
Instructor in Pedagogics.
- ELMER EDGAR STOLL. B.A., M.A. (Harvard '94, '95),
Instructor in English.
- S. FABIAN DE VELASCO. B.A. (Univ. of Paris, '87).
Instructor in the Spanish Language and Literature.
- ADALINE G. WYKES, Instructor in Drawing (Normal).

- CHARLOTTE MORRILL, *Bursar.*
- MABEL A. FARR, *Librarian.*
- MAY M. HALL (A.A. '87), *Registrar.*

ADELPHI COLLEGE.

Adelphi College was incorporated by the unanimous vote of the Regents of the University of the State of New York, at Albany, Wednesday, June 24, 1896. The degrees issued by Adelphi will bear the seals of both the University and the College, and will be signed by the Chancellor and Secretary of the Board of Regents, as well as by the officers of the College.

Students who complete the required amount of work in either the Classical or the Literary Course, to the satisfaction of the Faculty, will receive the degree of Bachelor of Arts; in the Scientific Course they will, under similar conditions, receive the degree of Bachelor of Science. All courses in Adelphi College are open to women.

From fourteen to eighteen hours a week of class-room work, exclusive of laboratory hours and of time for physical culture, will be required in each of the first two years. In each of the Junior and Senior years, twelve hours a week of class-room work will be required. All choice of optional studies is subject to the approval of the Faculty. The students in the Scientific Course who wish to make a more technical study of the Sciences than is outlined in the Conspectus can do so under the direction of the Faculty.

I. The Pedagogical Options.—To students who intend to become teachers, the college courses offer especial advantages in the pedagogical options, which permit a student to present the studies required in the professional training for teaching, as a part of the work leading to a degree. Students who complete satisfactorily these pedagogical studies and win the Bachelor's degree can gain admission directly to the State or City examinations for licenses to teach in elementary, grammar, and high schools.

All the work of the Adelphi Normal Course for kindergartners has also been included among the options of the last two years of the College Course. Any college student who has successfully completed the studies of the first two years of the collegiate curriculum may, therefore, unite the prescribed work of the last two years with the professional training for kindergartening and still remain a candidate for the degree.

II The Library and Reading Room.—The Library now contains over eight thousand volumes. In the reading room, the principal magazines and all leading educational periodicals are on file. Students also have access to the large collections in the excellent Pratt Free Library, which is only one block distant from the Adelphi. A trifling annual fee secures admission also to the Brooklyn Library, which contains about one hundred and fifty thousand volumes.

III. The Gymnasium and Playing Field.—The gymnasium is in charge of a Director, who is a physician, and of a lady assistant. The calisthenium is a spacious room provided with a piano, and with the usual equipment of wands, clubs and bells. The remaining space, besides dressing-rooms, bath-room and officers, contains two large rooms well supplied with all modern apparatus. In the central gymnasium are found handball courts and a basketball field.

The playing field is situated near Classon Avenue, between Park Place and Prospect Place. It is near the Franklin Avenue, Bergen Street and Vanderbilt Avenue line of cars, and is about twelve minutes' walk from the College. It contains ball fields, tennis courts, running tracks and a grand stand, with seats for two hundred and fifty persons. Underneath the grand stand are dressing-rooms, with lockers and bath-rooms. The carriage entrance to the field is on Prospect Place. The ordinary entrance is on Park Place, near Classon Avenue.

IV. The Laboratories.—On the third floor of the College building are the mathematical and physical laboratories.

The mechanical drawing room is well lighted and contains a large collection of geometric models and machine types. There is also a complete equipment for the study of surveying.

There are two laboratories for physics abundantly equipped, and a lecture-room, with a seating capacity of one hundred.

The lecture-room is provided with an electric projecting lantern with vertical attachment, polarizing elbow and microscope, and the department possesses a large set of objects for projection. There is an electric lighting and power plant, consisting of a forty-horse power engine, a 250-light U. S. direct current dynamo, and three U. S. motors. During the hours of session these furnish current in the lecture-room and laboratories and drive the ventilating fans. At other times connection is made with the Edison three-wire system, giving a constant potential of 230 volts.

The fourth floor is occupied by the departments of chemistry and biology. The department of chemistry possesses, besides a lecture-room

and a weighing-room, a *Main Laboratory*, a *Quantitative Laboratory*, an *Assay Laboratory*, and a *Blow-pipe Laboratory* for the work in mineralogy and blow-pipe analysis. The lecture-room has seats for eighty students, and is provided, like the physical lecture-room, with a specially constructed electric projecting lantern, with attachments for horizontal, vertical, and side projection, and special apparatus for the projection of microscopic objects.

A supply room contains a store of extra apparatus, from which the students can obtain all the material they require in their experimental work. This room is arranged for use as a photographic dark room, with complete apparatus for making lantern slides, including a fine copying, enlarging and reducing camera, and complete equipment for electric illumination, rendering it possible to do photographic work at all times without dependence upon sunlight.

In the rooms of the department of chemistry are exhibited the Mineralogical Collection, containing about two thousand specimens and a set of models of crystals. There is also a Geological Collection, including the representative fossils of all formations and large collections of the different kinds of rocks.

The biological laboratories are two in number and are well provided with facilities for botanical and zoölogical study, including dissecting and compound microscopes, a herbarium, mounting apparatus and various regents, and a large amount of illustrative material, including a fine collection of type-vertebrate skeletons.

There is also a lecture-room for the especial use of the department of biology.

V. Buildings.—The group of buildings now occupied by the College fills the entire end of the block between Lafayette Avenue and Clifton Place, upon St. James Place. The main entrance of Adelphi College is on Clifton Place. The central building is an assembly hall, 50x72 feet, with sittings for about a thousand persons.

During the noon hour, daily, or from 11:40 to 1:30 o'clock, a warm luncheon can be obtained in a lunch room within the buildings.

Convenient access to the buildings is provided by the Brooklyn Union Elevated R. R. (DeKalb or Greene Avenue Stations), or by the Greene, DeKalb, Franklin, Vanderbilt, and Fulton electric cars.

By arrangement with the officers of the Brooklyn Rapid Transit Company, special cars are run from the Park Slope and from the Parkway and Eastern District to the Adelphi, so that the trip may be made without change and for one fare. Time-tables for these routes can be procured at the Bursar's office, in the Adelphi.

VI. Lectures.—Besides the lectures of many kinds maintained annually by the Adelphi within its own halls, the students are advised to avail themselves of the exceptional educational opportunities afforded them in the unrivalled lecture and concert courses of the Brooklyn Institute. A merely nominal annual fee admits any one to most of the facilities of the Institute. All of its work is conveniently near the Adelphi; some of it is placed every year within the Adelphi itself. The new Art Museum of the Institute is not far away and is more and more valuable as an educational force.

VII. Scholarships, Prizes and Medals.—The College devotes each year a certain portion of its resources to the maintenance of scholarships for the benefit of indigent and deserving students. Those who need aid should communicate with the president before November 1st in each year of the College course. A student applying for aid for the first time is required to present evidence in writing that he is worthy to receive assistance, and that such help is necessary to enable him to continue in collegiate studies. Assistance will be withdrawn from students who are irregular in attendance, or who fail to maintain a reputable scholarship.

The Ossoli Prize.—This prize is offered annually for the best English essay written by a student in Adelphi College. The subjects are announced in May of each year for the competition during the year following, and the results of the competition are announced in May of each year.

Barlow Medals.—In December, 1897, Mr. George Barlow, of Brooklyn, gave to the College the sum of \$5,000, to be known as the George Francis Barlow Fund, in honor of the donor's son, who was the valedictorian of the Adelphi Academy Class of 1878. Part of the proceeds of this Fund is devoted to the maintenance of the Barlow Medals, which may be awarded in June of each year to that student in each course of the Sophomore year in Adelphi College who has attained the highest rank in scholarship in all studies during the first two years of the College course. The remainder of the annual income from this Fund is devoted to the purchase of books, pictures, and apparatus.

EXPENSES.

Schedule in Effect on and after September 18, 1901.

Annual tuition in the College per quarter, payable in advance....	\$45.00
Annual tuition, Normal Course for Kindergartners.....	100.00
No additional charges for Kindergarten materials.	
Annual tuition, Normal Art Course.....	75.00
Art School, per quarter, half-day sessions.....	10 00
“ “ “ “ whole day sessions.....	15.00
School of Musical Art, class instruction, per quarter..from \$4.00 to	14.00
For Teachers only, Residence Course, per annum.....	40.00
“ “ Direction Course, per annum.....	20.00
“ “ Matriculation fee.....	5.00
Special examinations, each.....	5.00

There are no extra charges in the College course except for materials used in the laboratories.

Special Students are charged at the rate of \$15 a quarter for each subject studied. Special students in the sciences are entitled to the same amount of laboratory work as that which is required of regular students; for extra work in the laboratories they pay \$10 a quarter for each additional period. No special student is received for less than one quarter. Special students who take three subjects pay the regular rate.

Students in the Biology classes will make a deposit of \$3 to cover cost of materials. Students in the Chemistry classes will make a deposit of \$10 to cover cost of materials. Deposits are to be made with the Professor in charge. No laboratory desk will be assigned before deposit is made. In all Chemistry classes, when breakages or usage exceed the amount of deposit or the fixed laboratory fee, an additional charge will be made to cover the excess.

The College maintains a Book Room, where all books and stationery may be purchased by the students for cash.

Tuition is payable at the Bursar's office in the Academic Building.

No deduction is made for absence. Students who withdraw during the year are liable for tuition until the Bursar has been notified of the withdrawal,

The price of board and lodging in the neighborhood of Adelphi College is from \$5 a week upward. Table-board can be obtained at prices ranging from \$4 a week upward.

Address all business communications to The Bursar, Adelphi College, Brooklyn.

TERMS OF ADMISSION.

Applicants for admission may present themselves at the College (Clinton Place entrance, Room No. 53) for examination on the Thursday and Friday after Commencement, or on the first two days of the Fall Term.

For applicants from well-known and reputable schools, certificates will ordinarily be accepted, so far as the studies pursued in such schools cover the entrance requirements of Adelphi College. All such certificates should be signed by the responsible instructors in the school last attended, and should state explicitly, under each subject of study, the text-books used, the extent of the work done, and the time devoted to it, with dates.

Special students of a mature age, not candidates for a degree, may be admitted to courses of study which they are competent to pursue, upon presentation of satisfactory evidence of proficiency.

Candidates for admission to advanced standing will be required to pass satisfactory examinations upon the work already accomplished by the class to which they wish to be assigned.

ORDER OF ENTRANCE EXAMINATIONS.

FIRST DAY.

SECOND DAY.

8.30-9, Registration.	
9-10, Cæsar and Cicero.....	Academic Algebra.
10-11.15, Vergil and Sight Reading....	Plane Geometry.
Chemistry, Sci. Course.	
11.30-12.45, German.....	French.
2-3.30, English.	2-3.15, Anabasis, Adv. Algebra.
3.30-4.30, Physics, Sci. Course.	Physics, Lit. Course.
3.30-4.30, Anc. History.}	3.15-4.30, Iliad and Sight Reading.
4.30-5.50, U. S. History.}	Solid Geom., Physiology.
(Or English History.)	

Applicants for admission to the Freshman Class in Adelphi College, in any one of the three courses, must be at least fifteen years of age and be able to pass satisfactory examinations in the specified number of the following subjects:

I. ENGLISH.

NOTE—No candidate will be accepted in English whose work is notably deficient in point of spelling, punctuation, idiom, or division into paragraphs.

a. The candidate may offer preparation in the uniform college entrance requirements in English, as follows:

1. *Reading*. The candidate will be required to present evidence of a general knowledge of the subject matter of the books here named and to

answer simple questions concerning the lives of the authors. The form of the test will usually be the writing of paragraphs upon chosen topics.

In connection with these tests, the candidate may present an exercise-book, properly certified by an instructor, containing compositions or other written work done in connection with the reading of the books. The books set for this part of the examination are :

1901 and 1902 : *Ivanhoe* ; *Pope's Iliad*, Books I, VI, XXII, and XXIV ; *De Coverley Papers* ; *The Vicar of Wakefield* ; *The Last of the Mohicans* ; *The Princess* ; *The Ancient Mariner* ; *Silas Marner* ; *The Merchant of Venice* ; *The Vision of Sir Launfal*.

1903, 1904, 1905 : The same books as in the foregoing list for 1902, with the addition of *Shakspeare's Julius Cæsar* and *Carlyle's Essay on Burns*, and with the omission of *Pope's Iliad* and *The Last of the Mohicans*.

2. This part of the examination presupposes a more careful study of each of the works named below. The examination will be upon subject matter, form, and structure.

1901, 1902, 1903, 1904, 1905 : *Macbeth* ; *Burke's Speech on Conciliation with America* ; *Macaulay's Essays on Milton and Addison* ; *Milton's Minor Poems* (*Comus*, *Lycidas*, *L'Allegro*, *Il Penseroso*).

b. In lieu of the uniform College entrance requirements in English, candidates for admission to College from the Literary Course in the Sub-Collegiate Department of the Adelphi Academy will be permitted to offer the work in English as given in that Department.

2. FRENCH.

a. Minimum requirement. A knowledge of fundamental principles of grammar ; as, rules for the formation of the plural and of the feminine in nouns and adjectives, the use of the articles, the place of the pronouns, and the regular and irregular verbs. Reading of two French books, as "*Colomba*," by *Merimée* ; "*L'Abbé Constantin*," by *Halévy* ; and of two plays arranged by *Bôcher*, such as "*Mademoiselle de la Seiglière*," by *J. Sandeau* ; and "*Le roman d'un jeune homme pauvre*," by *Feuillet*. Equivalents may be offered.

b. Maximum requirement. A thorough knowledge of French grammar ; use of the tenses, rules for the subjunctive and for the past participle, government of verbs, formation of adverbs, French idioms.

Reading : "*Le Pêcheur d'Islande*," *Loti* ; "*La Mare au Diable*," *G. Sand* ; "*La Belle Nivernaise*," *Daudet* ; "*La Tulipe Noire*," *Dumas* ; "*Histoire de France*," *Ducoudray* ; "*Quatre-vingt-treize*," *V. Hugo*. *Composition*, based upon the books read. Ability to take part in recitations conducted in French. Equivalents may be offered.

3. GERMAN.

a. Minimum requirement. The rudiments of grammar (Joynes-Meissner; Thomas), including irregular verbs, elementary rules of syntax, and word order. Translation at sight of German into English and English into German.

Reading: Brandt's Reader; Bernhardt, Novelletten; Storm, Imensee; or Riehl, Der Fluch der Schönheit. Equivalents may be offered.

b. Maximum requirement. An accurate knowledge of the principles of grammar, embracing inflections and syntax, the composition of words, the force of prefixes and suffixes, and the relation of the English and German consonantal changes. Sight translation. Ability to take part in recitations conducted in German. Reading of the following books: Goethe, Hermann and Dorothea; Freytag, Aus dem Staate Friedrichs des Grossen; Schiller, Wilhelm Tell; Lessing, Minna von Barnhelm. Composition based on the books read, or Harris's Prose Composition. Equivalents may be offered.

4. GREEK.

Xenophon's Anabasis, 4 books; Homer's Iliad, 3 books; sight reading; Woodruff's Prose Composition.

5. LATIN.

Cæsar, 4 books or its equivalent; Cicero, 7 orations,—the oration on the Manilian Law to count as two; Vergil, Æneid, 6 books. Prose composition based upon Cæsar and Cicero. Sight reading.

6. HISTORY.

- a.** Ancient History down to the fall of the Roman Empire in the West.
- b.** United States History.
- c.** English History.

7. MATHEMATICS.

- a.** Algebra, through Quadratics and Progressions; Plane Geometry.
- b.** Advanced Algebra, or Solid Geometry.

8. SCIENCE.

- a.** Physiology, including Elementary Biological Study.
- b.** Elementary Chemistry, metals and non-metals.
- c.** Elementary Physics; introductory course, may be covered in four weekly exercises for one semester with laboratory practice.
- d.** Elementary Physics, at least one year's study, five hours weekly, with laboratory practice.

Of these subjects, here numbered from 1 to 8, all candidates must be prepared to pass satisfactory examinations in the following :

English, 1, either *a* or *b*; and Mathematics, 7, *a*, Algebra and Plane Geometry.

In addition, candidates for admission to the Classical Course must be prepared in the following subjects: Ancient History, 6, *a*; Latin, 5; Greek, 4; and either French or German, minimum requirements, 2, *a*, or 3, *a*.

For the Literary Course, the following are the additional subjects required: Ancient History, United States History, and English History, any two of the three subjects may be offered, 6, *a*, *b*, *c*; Science, Physiology, 8, *a*, and Elementary Physics, briefer course, 8, *c*; Languages, any two of the following: French, maximum requirement, 2, *b*, German maximum requirement, 3, *b*; Latin, 5.

For the Scientific Course, the additional requirements are: United States History, 6, *b*; Science, Chemistry, 8, *b*, and Physics, 8, *d*; Mathematics, Advanced Algebra, or Solid Geometry, 7, *b*; Languages, any one of the following: Latin, 5; French, maximum requirement, 2, *b*; German, maximum requirement, 3, *b*.

COURSES OF STUDY.**Department of the English Language and Literature.**

1. STUDY of representative master pieces with practice in composition. Freshman year, Literary and Classical Courses; Sophomore year, Scientific Course; first semester, three hours a week. Mr. STOLL.
2. SHAKESPEARE. Freshman year, Literary and Classical Courses; Sophomore year, Scientific Course; second semester, three hours a week. Prof. DUNN.
3. SHAKESPEARE, AND LATER ENGLISH DRAMA. Sophomore year, Literary and Classical Courses; first semester, four hours a week. Prof. DUNN.
4. LITERATURE FROM MILTON TO KEATS. Junior year, Literary and Classical Courses; three hours a week. Prof. DUNN.
5. VICTORIAN LITERATURE. Senior year, Literary and Classical Courses; three hours a week. Mr. STOLL.
9. ANGLO-SAXON AND EARLY ENGLISH. A survey of Early English Literature; Anglo-Saxon Grammar; Selected Readings; *Béowulf*. Junior and Senior years, alternating with Course 10; two hours a week. Prof. DUNN.
10. MIDDLE ENGLISH. Lectures on the chief writers of the period and the development of the language; study of selected poems; *Langland*; Chaucer. Junior and Senior years, alternating with Course 9; two hours a week. Prof. DUNN.

Department of the French Language and Literature.

15. SEVENTEENTH CENTURY FRENCH LITERATURE. Lectures: Spanish and Italian influences; rise of the French Drama; development of the French Tragedy; Comedy in France; influence of the Church. Readings from the Works of Corneille, Racine, Molière. Freshman year, Literary Course, four hours a week. Prof. SCHARFF.
16. LITERATURE OF THE NINETEENTH CENTURY. Lectures: The Revolution and Empire; the religious renaissance; German and Italian influences; Romanticists and Classicists. Readings from the works of Georges Sand, A. de Vigny, Chateaubriand, A. de Musset, Le Sage, Victor Hugo, Dumas, Taine. Sophomore year, Literary Course, four hours a week. Asst. Prof. CHARVET.
17. LITERATURE OF THE EIGHTEENTH CENTURY. Comparative study of the literature of the Seventeenth, Eighteenth, and Nineteenth Centuries. Lectures: English influence; Voltaire's destructive and constructive work; the Encyclopædists; Rousseau's influence and theories of education; diffusion of the philosophical spirit. Collateral Readings. Junior year, Classical and Literary Courses, three hours a week. Prof. SCHARFF.

18. ORIGINS OF FRENCH LITERATURE. Lectures: General View of the Sixteenth Century; comparison of the French and Italian Renaissance; the period of the Reformation; French Language in the Sixteenth Century. Readings from contemporary literature: Balzac, Guizot, Daudet, Loti. Senior Year, Classical and Literary Courses, three hours a week. Prof. SCHARFF.

Students who wish to begin French after entering College will be assigned to classes in the usual introductory work.

Department of the German Language and Literature.

20. SCHILLER AND GOETHE. Ballads. Dramas (Jungfrau von Orleans, Iphigenie). Prose works (Geschichte des dreissigjährigen Krieges. Dichtung und Wahrheit). Prose composition. Freshman year, four hours a week. Prof. BLAU.

21. GERMAN LITERATURE OF THE EIGHTEENTH CENTURY AND ITS HISTORY. (Emilia Galotti, Egmont, Tasso, Wallenstein, Laökoön.) Lectures. Composition. Sophomore year, four hours a week. Prof. BLAU.

22. GERMAN LITERATURE OF THE NINETEENTH CENTURY AND ITS HISTORY. Lectures (in German). Collateral reading of selected works of Kleist, Uhland, Grillparzer, Heine, Immermann, Hebbel, Ludwig, Freytag, Scheffel, and others. Essays. Junior Year, three hours a week. Prof. BLAU.

23. SENIOR STUDIES. a. Lessing's Nathan, Goethe's Faust. Lectures in German. Essays. First half year.

b. Elements of Middle High German. (Wright's Primer, Paul's Grammar, Bartsch: Nibelungenlied), Lectures in German. Essays. Second half year.

Senior year, three hours a week. Prof. BLAU.

Students who wish to begin German after entering College will be assigned to classes in the usual introductory work.

Department of the Greek Language and Literature.

25. ATTIC PROSE AUTHORS—SELECTIONS. References: Dyer's Apology and Crito; Morgan's Lysias. Freshman Year, first semester, four hours a week. Prof. LAWTON.

26. HOMER. Later books of Iliad, selections, or Odyssey, V—VIII. References: Perrin's Odyssey, V—VIII; Lawton's Art and Humanity in Homer. Freshman Year, second semester, four hours a week. Prof. LAWTON.

27. DRAMA. One play each of Æschylus, Sophocles, Euripides, Aristophanes. Lectures. Sophomore Year, four hours a week. Prof. LAWTON.

28. ATTIC PROSE. Thucydides, Plato, Demosthenes, selections. References: Morris' Thucydides, I; Towle's Protagoras; Tarbell's Demosthenes. Junior Year, three hours a week. Prof. LAWTON.

29. **GENERAL HISTORY OF GREEK LITERATURE**, with readings from the less familiar authors. References: Jevons' History of Greek Literature, or Jebb's Spirit of Greek Literature. Senior Year, three hours a week. Prof. LAWTON.

Department of the Latin Language and Literature.

30. **LIVY**. Books XXI and XXII, selections, with Latin Prose based thereon. Freshman Year, Classical and Literary Courses; first semester, four hours a week. Prof. SANFORD.

31. **HORACE**. Selected epodes and odes. Autobiographical extracts from the satires and epistles, Lectures on Augustan age and Horace's life. References: Sellar's Roman Poets of the Augustan age, Martin's Horace, Shorey's Horace. Freshman year, Classical and Literary Courses; second semester, four hours a week. Prof. SANFORD.

32. **EARLY LATIN**. Catullus and Lucretius, selections. Plautus: Captivi, Trinummus, Miles Gloriosus; Terence: Andria. References: Sellar's Latin Poets of the Republic, Merrill's Catullus, Kelsey's Lucretius. Sophomore Year, Classical and Literary Courses, four hours a week. Prof. SANFORD.

33. **SILVER LATIN**. Juvenal, Pliny, Quintilian, Martial, Tacitus, selections. Junior Year, Classical and Literary Courses, three hours a week. Prof. SANFORD.

34. **LECTURES ON THE LIFE OF THE LATIN LANGUAGE AND LITERATURE**, with readings from less familiar authors and fragments of lost works. References: Cruttwell's or Tyrrell's Latin Literature, Merry's Selections from Latin Poets. Senior Year, Classical and Literary Courses, three hours a week. Prof. SANFORD.

35. **MODERN ITALIAN**. Classes to acquire a practical knowledge of this language or to study its literature can be formed as optional classes in place of any of the other modern languages in any year of the College course, or in place of the Latin of either one of the last two years. Such a class should consist of at least five students, and the choice of such an option must, as is usual in such cases, receive the approval of the Faculty.

Department of the Spanish Language and Literature.

36. **ELEMENTARY SPANISH**. Grammar and its component parts: reading and writing; Mental Translation and immediate transposition of oral English; dictations into Spanish and vice versa: conversation among pupils; examinations of classes by pupils; easy compositions in Spanish, and the reading of such works as: *La España Pintoresca* by Emilia Pardo Bazán, and *El Capitán Veneno*, by Pedro Antonio de Alarcón. Four hours per week, in either Sub-collegiate or Collegiate Department. Prof. DE VELASCO.

37. **SPANISH LITERATURE (2D YEAR COURSE).** Grammatical reviews; correspondence among pupils; debates and discussions upon given or chosen subjects by pupils; examinations of classes by pupils. History of the Spanish Language. Oral sketches of Spanish history and its influence upon Europe and America. Translations from English into Spanish and vice versa, and reading of such works as: *Pepita Jiménez* by Juan Valera, and *La Campaña de Huesca* by Antonio Cánovas del Castillo. Four hours per week, as above. Prof. DE VELASCO.

38. **SPECIAL BUSINESS COURSE**, which may be taken instead of Course No. 37. Study of all Technical Terms; forms and manner of transacting business with Spanish countries; industrial and commercial nomenclature; business correspondence and business verbal transactions, with use of forms of book-keeping, English and Spanish abbreviations. Study of rates of exchange of gold, silver and copper coins of all Spanish speaking countries. Spanish idioms and colloquialisms, especially such as are in use in Spanish America. Four hours per week, as above. Prof. DE VELASCO.

Department of History and Politics.

40. **MEDLÆVAL HISTORY.** The origin and development of feudal society and institutions, the political history of Central and Southern Europe to the close of the Thirty Years' War. References: Adams's *Civilization in the Middle Ages*, Duruy's *History of the Middle Ages*, Emerton's *Introduction to the Middle Ages and Mediæval Europe*, "Epochs of Modern History" Series. Freshman Year, all courses; first semester, four hours a week. Dr. FRADENBURGH.

41. **HISTORY OF THE RENAISSANCE.** A study of the social, religious, and political issues in the age of the Renaissance, the fifteenth and sixteenth centuries. References: Bryce's *Holy Roman Empire*, Milman's *Latin Christianity*, Spalding's *History of the Protestant Reformation*, Haeusser's *Period of the Reformation*. Freshman Year, all courses; second semester, four hours a week. Dr. FRADENBURGH.

42. **ENGLISH HISTORY.** A study of political and social progress. References: Green's *Shorter History of the English People*, Macaulay's *History*, Lecky's *England in the Eighteenth Century*, McCarthy's *History of Our Own Time*. Sophomore Year, all courses; first semester, three hours a week. Dr. FRADENBURGH.

43. **HISTORY OF FRANCE**, from the age of Richelieu to the French Revolution. The Ancient Régime and its successor. References: S. R. Gardiner's *Thirty Years' War*, Duruy's *History of France*, Airy's *The English Restoration and Louis XIV*, Morris' *The Age of Anne*, Morris' *The French Revolution and First Empire*, Taine's *Ancient Régime and Modern Régime*, Kitchin's *History of France*. Sophomore Year, all courses; second semester, three hours a week. Dr. FRADENBURGH.

44. **AMERICAN HISTORY.** A topical study of American History, with a comparison of political systems. References: Fiske's Beginnings of New England, and Critical Period of American History, Schouler's History, and Wilson's The State, Hart's Epoch Series, and Scribner's American History Series. Senior Year, all courses; second semester, three hours a week.

45. **HISTORY OF THE NINETEENTH CENTURY.** Topical studies in modern history. The age of the establishment of parliamentary government and of racial consolidation. References: The International Statesmen Series, Seignobos' Political History of Europe since 1814; Muller's Political History of Recent Times, Andrew's Historical Development of Modern Europe. Senior Year, first semester, all courses; three hours a week.

46. **SOCIAL HISTORY.** The origin and growth of society as disclosed in the development of the family and of civil and religious institutions. Text-books: Tylor's Anthropology and Morris' Aryan Race, with readings from Lubbock, Tylor, and Giddings. Junior Year, all courses; second semester, three hours a week. Dr. FRADENBURGH.

47. **HISTORY OF ART.** An examination into the rise and progress of Ancient and Classic Art and the evolution of the Fine Arts in modern times, illustrated by pictures, lantern slides, and collateral readings. Text-book: D'Anvers' "History of Art." References: "Vasari's "Lives of the Painters"; Ruskin's "Modern Painters" and "Stones of Venice," with other works of reference and periodicals in the Library. Sophomore year, Classical and Literary Courses; second semester, four hours a week. Miss BOTH-HENDRIKSEN.

(a) *History of Painting* (twice a week).—Egyptian, Assyrian, Greek, Roman and Byzantine.

Italian Art.—Early renaissance, development and golden age.

Venetian Art.—Its growth, truth and splendor.

Art in Flanders and in Holland.—Likeness and difference.

Art in France.—Peculiar influences and steady development. The four great periods.

Art in Spain.—Mysticism and Realism.

Art in Germany.—Causes of uneven development. Early period; late period.

Art in England.—Reasons for its late development. Tendency to social satire, portraiture and landscape.

(b) *History of Architecture and Sculpture* (twice a week).—Egyptian and Assyrian temples, tombs and palaces. Greek temples, orders and carving. Periods of Phidias, Praxiteles and Alexander. Roman architecture: Early Christian, Byzantine and Romanesque styles. Gothic style and sculpture: Pointed arch superseding the round arch. Decadence: Renaissance architecture and sculpture.

48. **THEORY OF ART AND SPECIAL STUDY OF NINETEENTH CENTURY ARTISTS.** Beauty in Art. Unity, its application to expression. Principles of Construction: The lintel, column, arch. Application of Ornament, Etching, Engraving, Lithography, Perspective, Composition. The Human Form in Art. Chiaroscuro, tone, color, value, touch. Kinds of pictures: Still life, genre, portrait, landscape, marine, devotional, historical. Critical study of contemporary artists of different nations. Junior year, Literary Course, lectures once a week. Miss BOTH-HENDRIKSEN.

49. **SOCIOLOGY.** A study of social institutions with special reference to American conditions. Social problems and proposed solutions. Among the subjects discussed are: Immigration, Problems of City Life, Employment of Women and Children, Factory Legislation, Defective and Delinquent Classes, Socialism. References: Ward's Outlines of Sociology, Fairbank's Introduction to Sociology, Wright's Practical Sociology, Blackmar's History and Sociology, Spencer's Principles of Sociology, Giddings's Elements of Sociology, Smith's Statistics and Sociology. Junior year, all courses, two hours a week. — —

Department of Economics.

50. **OUTLINES OF ECONOMICS.** A general introduction to the study of Economics with the design to familiarize the student with the fundamental principles of the subject. These are examined and illustrated by reference to past and present industrial life in England and the United States. Text-book: Bullock's introduction to the Study of Economics, supplemented by collateral reading. Recitations, discussions, lectures. Junior year, all courses; first semester, three hours a week. Dr. FRADENBURGH.

51. **PRACTICAL ECONOMICS.** This course deals principally with problems of distribution. The leading topics are: The evolution of labor and capital; wages; labor organization, arbitration and conciliation; profit-sharing; co-operation; factory and other labor legislation; the social surplus; municipal economics; socialism. Lectures, assigned readings, papers, discussions. Senior Year, all courses; second semester, three hours a week; open to students who have taken course 50. — — — —

52. **ECONOMIC HISTORY.** A study of the evolution of industrial life, principally in England and in the United States, with references for sake of comparison to contemporary conditions on the continent of Europe. Lectures, readings, reports. References: Cunningham's Growth of English Industry and Commerce. Gibbins' History of Commerce in Europe. Toynbee's The Industrial Revolution. Ashley's Introduction to English Economic History and Theory. Senior Year, all courses; first semester, three hours a week. — — — —.

Department of Philosophy.

55. **LOGIC.** The structure of the syllogism and its use in argumentative discourse are illustrated by a variety of practical exercises taken from Jevons' *Studies* and from other sources. Text-book: Jevons' *Lessons*, supplemented by Creighton's *Logic*. Junior year, all courses; one half of first semester, three hours a week. Prof. OSBORN.

56. **PSYCHOLOGY.** Mental processes are analyzed with a view to ascertaining their nature and functions and the laws which govern them. Both the experimental and physiological methods are employed as an aid to introspection. Text-book: James' *Briefer Course*, supplemented by references to Sully, Titchener, and Stout's *Manual*. Junior year, all courses; one half of first semester and second semester, three hours a week. The course is open only to those who have had Sophomore work in Physiology or its equivalent. Prof. OSBORN.

57. **HISTORY OF PHILOSOPHY.** A general survey of philosophical thought in ancient and modern times. Passages from the works of representative thinkers are selected for special study. References are made to Erdmann's, Falckenberg's, and Lewes' *Histories of Philosophy*, and to various monographs, as well as to the original sources. Senior Year, Classical and Literary Courses; first semester, three hours a week; open only to those who have taken course 56 or its equivalent. Prof. OSBORN.

58. **ETHICS.** The more important theories will be discussed as well as their application to a philosophy of conduct. The method of study will include the discussion of papers upon assigned topics. Text-book: Seth's *Principles* and Mackenzie's *Manual of Ethics*. References: Sidgwick's *Method of Ethics*, Bowne's *Principles*, Watson's *Hedonistic Theories*, and Sidgwick's *History of Ethics*. Senior Year, Classical and Literary Courses; second semester, three hours a week. Prof. OSBORN.

59. **ELEMENTARY PSYCHOLOGY.** Introduction to the study of psychology. Text-book: Hallock. First Year Normal and Freshman Year, Classical and Literary Courses; three hours a week. Miss BRUNN.

60. **PSYCHOLOGY FOR KINDERGARTNERS.** A course of fifteen lectures on Child Study, with selected readings. References: Rowe's *Physical Nature of the Child*, Oppenheim's *Development of the Child*, Preyer's *Infant Mind*, Sully's *Studies in Childhood*. The applications of Psychology to Teaching, especially in the Primary Grades. Text-book: Dexter and Garlick's *Psychology in the School Room*. Frequent exercises requiring the application of educational principles will be required. Open only to those who have taken 56 or 59. Second Year Normal, three hours a week. Senior College option, the course in Child Study only. Prof. OSBORN.

Department of Pedagogics.

61. PRACTICE AND OBSERVATION WORK to accompany Courses Nos. 63 and 66. Senior Year and Second Year Normal.

62. HISTORY OF EDUCATION. The aim of this course is to trace the development of educational systems in connection with the general development of civilization. A study of the Greek and Roman schools is followed by a sketch of the early Christian schools, the influence of Charlemagne and Alfred, the development of modern languages and literatures. A study of the Renaissance leads to the consideration of the new ideals in education and the history of reformers. This course includes a study of

Compayré's History of Pedagogy, Quick's Educational Reformers, Davidson's Education of the Greek People, Laurie's Life of Comenius, Laurie's Rise of the Universities, De Guimp's Life and Work of Pestalozzi, Pestalozzi's Leonard and Gertrude, Rousseau's Emile, Herbart's Science of Education.

First Year Normal, and Junior College, first semester, twice a week. Miss SCOTT.

63. THEORY OF EDUCATION. Lectures, essays, required readings and discussions.

Application to teaching of the principles developed in the courses in psychology and the history of education. This course aims to show that education is a *science* in that it is based on mental and physical laws and an *art* in that these laws are practically applied in teaching and training.

The following are used as texts and books of reference: Rosenkranz's Philosophy of Education, James's Talks to Teachers on Psychology, Butler's Meaning of Education, Münsterberg's Psychology and Life, Harris's Psychologic Foundations of Education, Sully's Teachers' Hand-book of Psychology, Spencer's Education. Junior college, second semester, two hours weekly; Tuesdays and Thursdays at 3.30 P. M. Miss SCOTT.

64. KINDERGARTEN PRINCIPLES. Discussions, readings, and essays. The purpose of this course is to show Froebel's conception of education through a study of his works and the practical application of his theory to education in the kindergarten; study of the gifts, games, occupations and stories, with reference to their adaptation, to child-nature and its development. The following are used as texts and books of reference: Froebel's Education of Man, Pedagogics of the Kindergarten, and Mother Play; Sully's Studies of childhood, Rowe's Physical Nature of the Child, Blow's Symbolic Education, Preyer's Mental Development, Perez's First Three Years of Childhood, Compayré's Intellectual and Moral Development of the Child. Senior Normal Class, first semester, two hours weekly. Tuesdays and Thursdays at 3.30 p. m. Miss SCOTT.

65. GIFTS AND OCCUPATIONS. Practical application, lectures, essays and discussions.

Study of their educational value and their place in Froebel's system. First Year Normal and Junior College, two (four) hours a week; Second Year Normal and Senior College, three hours a week. Miss HARVEY.

66. METHODOLOGY. This course will include a theoretical course to determine the fundamental principles involved in the process of teaching, and also the application of these principles to the teaching of the various subjects embraced in the course of study in elementary and secondary schools. References: De Garmo's Herbart, Lange's Apperception, Harris' Psychological Foundations of Education, McMurtry's Method of the Recitation, Tompkins' Philosophy of Teaching. Senior Year, three hours a week. Prof. OSBORN, Miss BRUNN, Miss KENT, and Miss ROETHGEN.

67. FROEBEL'S PHILOSOPHY in "The Mother Play." Second Year Normal and Senior College, second semester, twice a week. Miss HARVEY.

68. STORIES AND GAMES AND PROGRAM-PLANS. Preparation and discussion of Programs.

Stories. Practice in telling and writing kindergarten stories. Classification of the same for practical purposes; as, fairy tales, historic stories, nature stories, etc.

Games. Practical playing of kindergarten games. Educational value of traditional and other games as systematized by Froebel.

First Year Normal and Junior College, two hours a week; Second Year Normal and Senior College, three hours a week. Miss HARVEY.

69. MUSIC AND DRAWING.—*Music.*—Voice culture, sight reading and transposing. Playing and singing of kindergarten songs and marches. Expressive use of voice and piano. Prof. BREWER and Miss KIBBE.

Drawing—Freehand and blackboard drawing, water color, perspective and design sketching from nature and objects. Miss WYKES.

First year Normal and Junior College, two hours a week; Second year, Normal and Senior College, two hours a week.

70. Application of Froebelian principles to intermediate, or connecting class work. For graduates of kindergarten training-courses and primary school teachers. References: Froebel's Education of Man, Education by Self-Activity, Education by Development, and Pedagogics of the Kindergarten; Adler's Moral Instruction of Children; Harrison's Study of Child Nature; Blow's Symbolic Education; Hughes's Froebel's Educational Laws. One hour weekly. Miss ROETHGEN.

71. A series of Lectures and Conferences upon The Application of Educational Principles to Bible Teaching. Open to Seniors, graduates of the Academy and College, and to those interested in Sunday School teaching. One hour a week for thirty weeks, beginning in October. Prof. OSBORN.

Department of Chemistry.

74. **ELEMENTARY CHEMISTRY.** (a) *Chemistry of the non-metals*: Classification; theory of chemical nomenclature; problems; laboratory manipulations. Text-book: Remsen's Chemistry. References: Roscoe and Schorlemmer's Chemistry. Second year, Academic Scientific Course; first semester, five hours a week; laboratory, two hours a week. (b) *Chemistry of the metals*: Periodic law; methods of reduction; compounds. Text-book and references same as course (a). Second Year, Academic Scientific Course second semester, five hours a week; laboratory, two hours a week. Freshman Year, Classical and Literary Courses, three hours a week; laboratory, two hours a week. Prof. VOLCKENING.

75. **QUALITATIVE ANALYSIS.** Tests for bases and acids; analysis of simple salts; analysis of complex mixtures and commercial products. Text-book: Prescott and Johnson's Qualitative Analysis. References: Fresenius' Qualitative Analysis, Elliott's Qualitative Analysis, Wells' Tables. Freshman Year, Scientific Course, five hours a week; laboratory, three hours a week. Prof. VOLCKENING.

76. **QUANTITATIVE ANALYSIS.** Preliminary course on known substances of definite composition; practice in methods. General course on ores and commercial products; assays of gold, silver, and lead ores; volumetric and electrolytic methods of analysis. Text-books: Cairns' Quantitative Analysis. References: Fresenius' Quantitative Analysis, Blair's Analysis of Iron Ores, Crookes' Select Methods, Sutton's Volumetric Analysis, Rickett's Notes on Assaying. Sophomore Year, Scientific Course, five hours a week; laboratory, three hours a week. Prof. VOLCKENING.

77. **ORGANIC CHEMISTRY.** Methane derivatives; benzene derivatives; organic analysis; laboratory practice in the preparation of organic substances. Text-book: Remsen's Organic Chemistry. References: Berntsen's Organic Chemistry, Prescott's Organic Analysis, Blyth's Analysis of Foods, Wanklyn's Water Analysis. Junior Year, Scientific Course, six hours a week; laboratory, four hours a week. — —

78. **TECHNICAL OR APPLIED CHEMISTRY.** Processes for the manufacture of commercial products; advanced methods of quantitative analysis; food analysis. References: Wagner's Chemical Technology, Watts' Dictionary of Chemistry, Thorpe's Dictionary of Chemistry, Sadtler's Industrial Organic Chemistry, Blyth's Analysis of Foods. Senior Year. Scientific Course, seven hours a week, lectures and laboratory. — —

Department of Mineralogy and Geology.

80. **MINERALOGY AND BLOWPIPING.** (a) *Crystallography*: Study of crystal models and natural crystals. First semester, first term, three hours a week. (b) *Blowpipe analysis*: Use of the blowpipe; analysis of prepared mixtures. First semester, second term, three hours a week. (c) *Mineralogy*: Physical and chemical characteristics of common minerals; deter-

mination of minerals; second semester, three hours a week. Text-book: Moses' Mineralogy and Blowpiping. References: Plattner's Blowpipe Analysis, Williams' Crystallography, Dana's Mineralogy, Brush's Determinative Mineralogy. Senior year, Scientific Course, three hours a week, as above; laboratory, two hours a week. Prof. VOLCKENING.

81. GEOLOGY. General course; dynamic, structural, and historical. Text-book: Le Conte's Geology. References: Dana's Geology, Geikie's Geology, Winchell's Geologies. Senior Year, all courses; first semester, three hours a week. Prof. VOLCKENING.

82. METALLURGY. Treatment of ores by furnace, wet, and electrolytic methods. References: Bloxam's Metals, Phillips' Metallurgy, Turner's Metallurgies. Senior Year, Scientific Course; first semester, three hours a week. — — —.

83. ECONOMIC GEOLOGY. Distribution and utilization of ore deposits, building stone, etc. Text-book: Kemp's Ore Deposits of the U. S. Senior Year, Scientific Course; second semester, three hours a week. — — —.

Department of Physics.

85. GENERAL COURSE. Properties of solids, liquids and gases, and the study of sound, heat, light, and electricity: with text-book and lectures. Laboratory course accompanying and supplementing these. Reference books: Deschanel's, Ganot's and Barker's Physics, Sabine's Laboratory Course, Zahm's Sound and Music. Junior Year, Classical and Literary Courses, three hours a week. Prof. PECKHAM.

86. (a) MECHANICS. Reference books: Deschanel, Vol. I; Wood's Mechanics, Sabine's Laboratory Course, with supplementry exercises, and lectures upon methods of experimenting. (b) METEOROLOGY. Text-book: Waldo. Reference: Davies. Laboratory work in taking and reducing observations and in forecasting weather. Sophomore Year, Scientific Course, five hours a week. Prof. PECKHAM.

87. (a) HEAT AND THE STEAM ENGINE. Reference books: Deschanel, Stewart, Kinealy. Junior year, first semester. Scientific Course, six hours a week. (b) ELECTRICITY. Theory and Measurements. Reference books: S. P. Thomson, Stewart and Gee, Nichols. Junior Year, second semester, Scientific Course, six hours a week. Prof. PECKHAM.

88. TECHNICAL ELECTRICITY. The dynamo, its structure and various forms. Motors, systems of lighting and transmission of power. Reference books: Hawkins and Wallis's The Dynamo; Crocker's Electric Lighting. Senior Year, Scientific Course, seven hours a week. — — —.

89. ASTRONOMY. Descriptive, physical and historical, by recitations and lectures, with study of constellations, and laboratory work on spectrum of sun. Reference books: Todd's New Astronomy, Clerke's History of Astronomy in the Nineteenth Century. Senior Year, all courses; second semester, three hours a week. Prof. PECKHAM.

Department of Biology.

90. **GENERAL BIOLOGY.** The study of living matter and of its relations to lifeless matter. Protoplasm—The Cell. Comparative study of animals and plants by means of a number of selected types, such as *Amoeba*, *Paramecium*, *Hydra*, the earth worm, *Protococcus*, bacteria, yeast, *Nitella*, the fern. References: Sedgwick and Wilson's *General Biology*, Parker's *Elementary Biology*, Huxley, and Martin. Junior Year Scientific Course, three hours a week, with laboratory throughout the year. Prof. GAINES.

91. **COMPARATIVE ANATOMY AND ADVANCED PHYSIOLOGY.** Dissection of Vertebrates. Comparative study of various organs. Embryology of the Chick. Careful study of the microscopic structure and mode of working of the tissues of the human body. Special attention given to the problems of metabolism, and to the development and physiology of the nervous system and its terminal organs. Reference: Foster's *Physiology*. Martin's *Human Body*. Sophomore Year. Classical and Literary Courses, three hours a week, with laboratory practice. Prof. GAINES.

92. **THEORETICAL BIOLOGY.** The history of Biological Discovery. The examination of philosophical problems of Biology: such as heredity, variations, animal metamorphoses, the origin of the individual, instinct and intelligence. Readings and discussions of Darwin, Spencer, Romanes, Weismann and similar authorities. Senior Year, three hours a week. Prof. GAINES.

93. **SANITARY BIOLOGY.** Sanitation of the home: its situation, ventilation, heating, plumbing, and drainage. Study of the physiological and chemical principles of water and foods. Food analysis: adulterations and dietaries. Elective in the Senior Year, three hours a week. Prof. GAINES.

94. **GENERAL BACTERIOLOGY.** Elective in the Senior Year, three hours a week. ——— ———

Department of Mathematics.

100. **ALGEBRA.** The binomial theorem, logarithms, permutations, combinations, chance, continued fractions, series, undetermined coefficients, elementary theory of equations, solution of numerical equations, and the elementary theory of determinants. Text-book: Hall and Knight, revised by Sevenoak. Freshman Year, Scientific Course (required); Classical and Literary Courses (elective); second semester, four hours a week. Asst. Prof. ALLEN.

101. **SOLID GEOMETRY.** The usual demonstrative work, with numerical applications of the formulas derived. Text-book: Phillips and Fisher. Freshman Year, Classical and Literary Courses (elective); second semester, four hours a week. Prof. BOWDEN.

102. PLANE TRIGONOMETRY. Geometrical and analytical derivation of formulas; solution of triangles with use of logarithms; applications to measurement of heights and distances. Text-book: Bowser. Freshman Year, Scientific Course (required); Classical and Literary Courses (elective); first semester, eight weeks, four hours a week. Prof. BOWDEN.

103. SPHERICAL TRIGONOMETRY. Derivation of formulas and solution of spherical triangles. Text-book: Bowser. Freshman Year, Scientific Course (required); Classical and Literary Courses (elective); first semester, six weeks, four hours a week. Prof. BOWDEN.

104. ANALYTIC GEOMETRY. The equations of the straight line, circle, parabola, ellipse, hyperbola, and a few of the simpler higher plane curves, with an introduction to Solid Analytic Geometry. Text-book: Tanner and Allen. Sophomore Year, Scientific Course (required), and Classical and Literary Courses (elective); first semester, four hours a week. Prof. BOWDEN.

105. THE DIFFERENTIAL AND INTEGRAL CALCULUS. Simple and successive differentiation of functions, expansion of functions in series, evaluation of indeterminate forms, curve tracing, evaluation of maxima and minima, calculation of areas and volumes of solids of revolution, solution of simple differential equations. Text-book: Osborne, supplemented by lectures on the theory of functions. Junior Year, Scientific Course (elective), three hours a week. Prof. BOWDEN.

106. DESCRIPTIVE GEOMETRY. Orthographic projection of points, lines and surfaces, the intersection of lines and surfaces, spherical projections, shades and shadows, linear perspective, isometric projections. Text-book: Church. Sophomore Year, Scientific Course; second semester, four hours a week. Asst. Prof. ALLEN.

107. MECHANICAL DRAWING. Freehand drawing, construction of problems in Geometry, orthographic and isometric projections, plans, sections, and elevations of machines and architectural parts, blue prints, lettering, plotting of surveys, topographical sketches, coloring and shading; development of problems involving the principles of Descriptive Geometry, including shades and shadows, and perspective. Freshman Year, Scientific Course, two hours a week; Sophomore Year; second semester, one hour a week. Asst. Prof. ALLEN.

108. GRAPHICAL MECHANICS, with an introduction to machine design. Senior Year, Scientific Course (elective), three hours a week. Asst. Prof. ALLEN.

109. SURVEYING. Recitations and lectures on the principles and practice of surveying, adjustment of instruments, practice surveys, levels, and topographical work, computations based upon data thus derived. Freshman Year, Scientific Course, four weeks, four hours a week. Asst. Prof. ALLEN.

Numerals which follow title indicate number of the Course in "Courses of Study," q. v.

Freshman.

Total class-room work per week, exclusive of Physical Culture and Laboratory work, from 14 to 18 hours.

Classical.	Weekly Recit's.	Literary.	Weekly Recit's.	Scientific.	Weekly Recit's.
REQUIRED: Two Languages, Greek } and Latin 25, 26, 30, 31. }	8	REQUIRED: English Literature, I, Mediaeval History and)	3	REQUIRED: One Language, 15, 20, 30, } 31, 35, 36. }	4

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Total class-room work per week, exclusive of Physical Culture and Laboratory work, from 14 to 18 hours.

Sophomore.

Junior.

Senior.

Courses 55, 56, 61, 62, 63, 66 together make the Pedagogical Course, which leads directly to examination for State or City licenses. Courses 55, 56, 59, 49, 62, 64, 65, 68, 69, 57, 58, 60, 67, Junior and Senior years, are the studies which must be taken by students who wish to become trained kindergarten teachers.

110. **ANALYTIC MECHANICS.** Composition and resolution of forces, center of gravity, friction, virtual velocities, machines, laws of motion, central forces, constrained motion, impact, work and energy, moment of inertia, rotary motion. Text-book: Bowser. Senior Year, Scientific Course (elective), three hours a week. Asst. Prof. ALLEN.

111. **THEORY OF NUMBERS.** A course of lectures starting with the fundamental ideas and axioms for primary numbers and giving a logical development of the theory of integers, rational numbers, real numbers, and complex numbers. Junior or Senior Year (elective), one hour a week. Prof. BOWDEN.

112. **ADVANCED MATHEMATICAL ELECTIVES.** Under the usual conditions governing elective studies, courses may be obtained by students having the requisite preparation in Higher Algebra, Modern Geometry, Advanced Analytic Geometry, and Vector Analysis.

THE MATHEMATICAL CLUB. This is an organization of teachers and advanced students formed for the purpose of mutual help in mathematical investigation, and as an incentive to original work. The club meets once in four weeks.

THE MATHEMATICAL LIBRARY contains standard works of reference on all the courses and is easily accessible to the students.

Department of Music.

120. **MUSICAL ANALYSIS.** Meter, Rhythm, Movement. Intervals, Keys, Modes, Concords, Discords, Modulations, Resolutions, Cadences, Articulation, Phrases, Periods, Subjects, Episodes, Variation, Imitation, Form, Style, Theme, Counterpoint, Dances, Suite, Rondo, Sonata, Fugue, Tone-color, Touch, Interpretation, Program. Text-books: Goodrich's Complete Musical Analysis, Beethoven's Sonatas. Analytical Recitals and Class Recitations. Junior and Senior Years, two hours weekly. Prof. HANCHETT.

121. **HARMONY.** Intervals, Scales, Chord construction, Inversion, Use of Concords, Harmonization in three and four parts, Progression, Transition, Related Keys, Dominant, diminished and secondary Sevenths, Inverted basses, Duplication and Omission, Enharmonic changes, Augmented chords, Dissonant triads, Suspension, Organ point, Unrelated tones, Practical Construction. Text-book: Goodrich's Analytical Harmony. Junior and Senior Years, two hours weekly. Prof. HANCHETT.

122. **COUNTERPOINT.** Harmonic Counterpoint, Vocal Score, Passing Notes, Polyphony, Florid Counterpoint, Strict Counterpoint in two or more parts, of the first, second, and third order. Double Counterpoint in the octave tenth, and twelfth. Text-book: Goodrich and Richter's Counterpoint. Senior Year, two hours weekly, open to those who have taken Course No. 121. Prof. HANCHETT.

TEACHERS' COURSES IN ADELPHI COLLEGE.

1. Teachers and other mature persons whose qualifications are approved by the Faculty may present themselves for admission to the Teachers' Courses in Adelphi College by taking the regular entrance examinations in June or September, or by submitting to the judgment of the Faculty any diplomas, certificates, or other official evidences of scholastic work done. Such students, when admitted to the College, shall be enrolled in the Bursar's office as matriculated students, and upon payment of the prescribed matriculation fee they shall be eligible for admission to class-work.

2. Teachers of three years' experience in the High Schools of New York City, or teachers who have taught three years in the Public Schools of New York City under a Grade A certificate, may be excused from entrance examinations in History, Physiology, and Mathematics.

3. Teachers who have been in active service for at least three years shall not be required to pass entrance examinations in English, except in composition.

4. Teachers and other mature persons not candidates for a degree may be admitted to Teachers' Courses as special students upon the approval of the Faculty and the instructor in charge.

5. The courses for the especial benefit of teachers consist chiefly of afternoon, evening, and Saturday morning class-exercises in the prescribed studies of the College curriculum. These courses are classified as either Direction Courses or Residence Courses. In a Direction Course the student, by order of the Faculty, is assigned to the care of a member of the Faculty and studies under his advice and direction, receiving frequent written tests throughout the semester, or year, and submitting to a final examination upon all the work of the Course. Direction Courses will be more often permitted in the prescribed studies of the Freshman and Sophomore years. Residence Courses will be conducted by the various departments for afternoon, evening, or Saturday morning classes as time and opportunity permit. Such courses will consist of at least two one-and-one-half hour exercises a week for thirty weeks or, in case of a semestrial study, for fifteen weeks. Scientific studies involving laboratory work must, unless otherwise ordered by the Faculty, be studied in residence at the Adelphi. If expenditures in a laboratory course for apparatus and materials shall, for any student, amount to more than the prescribed laboratory fee, the amount in excess may be charged to that student by the Bursar.

6. Teachers who wish to obtain a degree from Adelphi College must complete the prescribed curriculum in one of the three College courses—*i. e.*, the Classical, the Literary, or the Scientific—and must spend at least one year as a student, devoting full time to study in Adelphi College, or must take at least eight Residence Courses in Adelphi College. The rule concerning the requirement of eight Residence Courses may be modified, at

the discretion of the Faculty, in case of students who are admitted to the College upon letters of honorable dismissal from other colleges. No student who is actively engaged in teaching will be permitted to study more than two subjects in the Teachers' Courses at one time, except by special permission from the Faculty.

7. Students in the Teachers' Courses, who are candidates for a degree, may not take Senior studies until all entrance deficiencies have been made up.

8. All examinations will be held at the usual time in June or September, or in the last week of the first semester. Special examinations may not be held unless by consent of the Faculty and subject to the conditions prescribed by the Bursar.

9. Except by special consent of the Faculty, no instructor shall conduct a class in the Teachers' Courses unless at least five pupils apply for admission thereto.

10. The Faculty will accept properly authenticated certificates of any work done within the class-rooms of any other college, and certificates of a similar nature concerning work done in summer schools will also receive consideration. Certificates issued by private tutors will not be accepted unless it is so ordered by the Faculty upon the recommendation of the heads of departments whose subjects may be included in the certificate.

11. An application to be admitted, upon certificate, to Adelphi College in its Teachers' Courses as a candidate for a degree, should be presented, together with certificates, to the Faculty, before June 15th or October 8th in each year. Applications for either Residence or Direction Courses should be filed with the Registrar on or before the same dates. Communications concerning the studies should be addressed to Prest. C. H. Levermore, Adelphi College, or to the Class Adviser of all students in the Teachers Courses, Prof. V. E. Scharff, Room 62, Adelphi College. Business communications should be addressed to the Bursar.

12. In accordance with the terms of the circular issued by the City Superintendent of Schools, under date of June 24th, 1898, and specifying the requirements for a teachers' license No. 2, or Grade A, and for Head of Department licenses, the courses of instruction offered by Adelphi College in its various departments present to teachers a favorable opportunity for performing the work necessary in order to obtain either one of those certificates. For these purposes the City Superintendent approves all college classes excepting those which may be engaged upon the elementary study of a language.

13. All persons who enter the Adelphi Teachers' Course classes are required to register in the Bursar's office (east side of the Lafayette Avenue entrance), to pay one-half the tuition fee and to receive a card of admittance to the desired class. This card must be presented to the teacher in

charge of the class. No pupil, thus registered, may withdraw from the class without notifying the Bursar. No deduction is made on account of absence.

14. In view of recent changes in methods of teaching and the higher qualifications demanded for professional work, neither the course of study in the Training School, nor the Head of Department certificate will hereafter be accepted as a substitute for Senior Pedagogics, if made matter of record prior to 1895.

15. Among the courses that will be offered to teachers for the next year, 1901-1902, the following may be now announced:

1. English Literature. The Elizabethan Dramatists. Dr. DUNN.
2. English Literature. *Senior*. Mr. STOLL.
3. Biology. *Sophomore*. Prof. GAINES.
4. History. *Sophomore*, Dr. FRADENBURGH.
5. French. *Preparatory*. Prof. SCHARFF.
6. French. *Senior*. Asst. Prof. CHARVET.
7. German. *Preparatory* or *Collegiate* (will be given if at least ten students apply). Prof. BLAU.
8. Greek. Prof. LAWTON.
9. Latin. Horace, Livy. Prof. SANFORD.
10. Latin. *Preparatory*. Mr. KEEP.
11. Logic and Psychology. *Junior*. Prof. OSBORN.
12. Mathematics: Analytical Geometry. *Sophomore*. Prof. BOWDEN.
13. Irrational Numbers and their application to Geometry, one hour weekly. Prof. BOWDEN.
14. Political Economy and Social History. *Junior*. Dr. FRADENBURGH.
15. Physics. *Junior*. Prof. PECKHAM.
16. Applications of Froebelian principles to Intermediate or Connecting Class work. See Department of Pedagogics in courses of study. Miss ROETHGEN.

These courses will begin soon after October 1st, 1901, subject to conditions described in foregoing regulations. See especially Rule 9. The time of recitation is to be determined by the convenience of both students and teachers.

LECTURES—1900—1901.

Oct. 29, 1900.—Mrs. Jos. T. Duryea. Subject: Aims in Education.

Dec. 11, 1900.—Mrs. Geraldine G. Taylor, of the China Inland Mission. Subject: China.

Dec. 19, 1900.—Miss Annie Blalock, of the Emerson College of Oratory, Boston. Subject: Physical Culture.

March 13, 1901.—M. Gaston Deschamps. Subject: Pierre Loti and the Country of the Basques.

March 26, 1901.—Dr. Lucy Hall-Brown. Subject: Hygiene.

May 9, 1901.—Mrs. Ada M. Hughes. Subject: Motherhood.

Among the speakers who have addressed the students at the chapel exercises during the current year are Rev. John L. Belford, Rev. Dr. S. Parkes Cadman, Mr. Frederick E. Crane, Hon. Edmund H. Driggs, Rev. Dr. David Gregg, Gen. O. O. Howard, Rev. Dr. Robert MacDonald, Rev. Dr. S. D. McConnell, Rev. Dr. Robert R. Meredith, Mr. William C. Redfield, and others.

LECTURES AND PIANOFORTE RECITALS

By DR. HENRY G. HANCHETT, Professor of Theoretical Music. Courses given under the auspices of the Brooklyn Institute and Adelphi College.

First Course.

GENERAL TOPIC: FUNDAMENTALS OF MUSIC.

October 15—PULSES AND GROUPS. Assistance was rendered at this recital by Mrs. Stuart Close, Pianiste. Wagner—Tannhäuser March. Chopin—Waltz; A flat, op. 34, I; Mazurka; F sharp, minor, op. 6, I. Schaeffer—Three Fantasias; minor, op. 1, I, II, and V. Beethoven—Two movements from Sonata; A, op. 101, Allegretto; Vivace. Tours—Tarantelle; C (4 Hands). Saran—Polonaise; F, 3, I. (4 Hands).

October 22—PROGRESSIONS AND CHORDS. Händel—Largo; G. Chopin—Prelude; C minor, op. 28, XX. Etude; A flat, op. 25, I. Rubinstein—Etude; F, op. 23, V. MacDowell—"To a Water Lily;" F sharp, op. 51, VI. Beethoven—Sonata; E flat, op. 7. Allegro; Largo; Allegro; Rondo.

October 29—PHRASES AND THEMES. Chopin—Ballade; G minor; op. 23. "The Maiden's Wish." (Liszt). Schubert—Impromptu; C minor, op. 90, I. Beethoven—Three Movements from Sonata; A flat, op. 26. Andante con Variazioni; Scherzo; Marcia funebre. Mason—"Silver Spring."

November 5—PARAGRAPHS AND SUBJECTS. Schubert—Three movements from Sonata; A minor, op. 42. Allegro; Andante con Variazioni; Scherzo; Allegretto. Beethoven—Sonata; E minor, op. 90. Mit Lebhaftigkeit; Rondo. Saran—Fantasie-Sonata; B flat minor, op. 5. Allegro; Romanza; Scherzo; Ronda.

Second Course.

GENERAL TOPIC: FACTORS IN MUSIC.

November 19—STIMULUS AND ANIMATION. Schubert-Taussig—March Militaire. Chopin—Polonaise; A flat, op. 53. Mayer—Toccata; D flat, op. 31, II. Schumann—Three Movements from Sonata; G minor, op. 22. Allegrissimo; Romanza; Scherzo. Wieniawski—Concert Waltz; D flat, op. 3.

November 26—STRENGTH AND SIGNIFICANCE. Chopin—Nocturne; C, minor, op. 48, I. Schumann—"The End of the Song;" op. 12, VIII. Aria; op. 11. (2d Movement from Sonata; F sharp, minor.) Rubinstein—"Kammennoi-Ostrow;" F sharp, op. 10, XXII. Wagner-Liszt—The Love-Death of Isolde. Beethoven—First Movement from Sonata; B flat, op. 106. Allegro.

December 3—SWEETNESS AND CHARM. Assistance was rendered at this recital by Miss Florence Helen Miller, Pianiste. Beethoven—Sonata; F sharp, op. 78. Adagio, Allegro; Allegro vivace. Chopin—Two Etudes; E, op. 10, III; B minor; op. 25, X. Schubert—Moment Musicale; A flat, op. 94, II. Gottschalk—"The Last Hope." Saran—Polonaise; F, 3, III. (4 hands.)

December 10—SYMMETRY AND COHERENCE. Assistance was rendered at this recital by Mrs. Charles J. Dodge, Pianiste. Mendelssohn—Andante and Rondo Capriccioso; op. 14. Tours—Four Numbers from Suite (for four hands). Beethoven—Sonata; E flat, op. 31, III; Allegro; Scherzo; Minuet; Rondo. Chopin—Berceuse; D flat, op. 57. Weber—Rondo brillante; E flat, op. 62.

Third Course.

GENERAL TOPIC: FASHIONS IN MUSIC.

January 7—CONTRAPUNTAL AND IMITATIVE. Bach—Invention and Symphony, F; Prelude and Fugue; E flat (Clavichord, Part II). Rheinberger—Fugue; G minor. Grieg—Canon; op. 38, VIII; "On the Mountains;" op. 19, I. Schumann—Kreisleriana; B flat, op. 16, II. Liszt—"Forest Murmurs;" Etude. Beethoven—First Movement from Sonata; C minor, op. 111; Maestoso, Allegro,

January 14—CLASSICAL AND FORMAL. Mozart—Sonata; E flat; Adagio; Minuetto; Finale. Schubert—Moment Musicale; C, op. 94, I. Mendelssohn—First Song Without Words. Chopin—Mazurka; C, op. 33, III; Nocturne; G, op. 37, II; Prelude, A, op. 28, VII; Etude; C sharp, minor, op. 25, VII. Beethoven—Sonata, Pathetique; C minor, op. 13; Grave; Allegro; Adagio; Allegro.

January 21—CHARACTERISTIC AND ROMANTIC. Beethoven—Sonata; D, op. 28; Allegro; Andante; Scherzo; Rondo. MacDowell—"To a Wild

Rose;" "From Uncle Remus," from Woodland Sketches; "Poem," F minor, op. 31. II. Schumann—"Knight of the Hobby Horse," "Child Falling Asleep," from the "Scenes from Childhood;" "Evening;" "Aspiration;" op. 12, I and II; "Bird as a Prophet;" G minor, op. 82, VII. Wagner-Liszt—Spinning Song, from the "Flying Dutchman." Liszt—Rhapsodie Hongroise; No. 2.

January 28—CONCERT AND BRAVOURA. Beethoven-Liszt—"The Ruins of Athens." Dupont—Toccata di Concert. Chopin—Scherzo; D flat, op. 31. Rubinstein—Etude; C, op. 23, II. Gounod-Liszt—Waltz, from "Faust."

Fourth Course.

GENERAL TOPIC: FORCES OF MUSIC.

April 1—BACH AND BEETHOVEN. Assistance was rendered at this recital by Miss M. A. Hachtman, Pianiste. Bach—Organ Fantasie and Fugue in G minor (Transcribed by Liszt); Fantasie in C minor. Beethoven—Andante Favori in F major; Sonata in C major, op. 53; Allegro con brio—Introduction, Adagio molto; and Rondo, Allegro Moderato, Prestissimo.

April 15—MOZART AND RUBINSTEIN. Assistance was rendered at this recital by Mrs. C. J. Dodge and Mr. G. W. Dodd, Pianists. Mozart—Fantasie and Sonata in C minor, with accompaniment for a second piano by Edvard Grieg; Fantasie: Adagio, Allegro, Andantino, Piu Allegro. Tempo Primo; Sonata: Allegro molto, Adagio, Molto Allegro. Rubinstein—Concerto in E, op. 25; the Orchestral Accompaniment arranged for a Second Piano; Allegro con moto—Andante con moto—Allegro non troppo.

April 22—SCHUBERT AND SCHUMANN, Schubert—Fantasie in C major, op. 15 (called "The Wanderer" Fantasie). (Edited by Franz Liszt.) Allegro con fuoco ma non troppo—Adagio—Presto—Allegro; Menuetto in B minor, from Fantasia, op. 78. Schumann—Romanza in F sharp major, op. 28, No. 2; Symphonic Studies, op. 13.

April 29—CHOPIN AND LISZT. Chopin—Fantasie in F minor, op. 49; Tempo di Marcia (Grave)—Poco a poco Doppio Movimento—Agitato—Lento sostenuto—Tempo primo—Piu mosso—Adagio sostenuto—Assai Allegro; Scherzo in E flat minor, from Sonata, op. 35. Weber-Liszt—Slumber Song in G flat. Liszt—Sonata in B minor: Lento Assai, Allegro energico, Grandioso—Andante sostenuto, Quasi Adagio—Allegro energico, Piu mosso, Presto, Prestissimo, Andante sostenuto, Allegro moderato, Lento assai.

The Weber Grand Piano Forte was used at these recitals.

GIFTS TO THE ADELPHI, 1900-1901.

The Adelphi gratefully acknowledges its obligations for the following gifts:

I. Specimens of Insects presented to Adelphi College, Brooklyn, Department of Biology, by Mr. Julius W. Brunn, 18 Cases Specimen Metamorphosis.

1. *Pontia crataegi* or Baumweissling: Raupe, Maennchen, Weibchen, Eier, Puppe, Schlupfwespe, Futterpflanze.

2. *Bombyx mori* or Seidenspinne: Gespinnene Seide, Gespinst oder Cocoon, offene oder rohe Seide.

3. *Ctenophora bimaculata* or Holzschnacke: Larve, Frass-stueck, Puppe, Bohrgang, Maennchen, Weibchen.

4. *Bombus terrestris* or Erdhummel: Nest, Arbeiter, Maennchen, Weibchen, Zelle, Larve, Puppe.

5. *Deilephila euphorbiae* or Wolfsmilchschwaermer: Futterpflanze, Raupe, Raupenfliege, Eier, Puppe, Maennchen, Weibchen.

6. *Calopteryx virgo* or Schlankjungfer: Nymphen oder Puppen huelse, Larve, Maennchen, Weibchen.

7. *Gryllotalpa vulgaris* or Maulwurfsgrille: Nest, Larven, Maennchen, Weibchen, Nympe, Fliege.

8. *Musca vomitoria* or Schmeissfliege: Eier, Larven, Puppen, Maennchen, Weibchen, Nahrungs-stoff. (Skin of a mole).

9. *Saperda carcharia* or Pappelbock: Maennchen, Weibchen, Bohrgang, Larve, Puppe.

10. *Lasiocampa pini* or Kieferspinner: Futterpflanze, Maennchen, Weibchen, Gespinst, Puppe, Raupe.

11. *Pyrhocoris apterus* or Feuerwanze: Maennchen, Weibchen, Eier, Larven, In Gesellschaft zitzende Nymphen.

12. *Oryctes nasicornis* or Nashornkaefer: Maennchen, Weibchen, Einjaehrige, 2-3. Larve oder Engerling Puppe.

13. *Vespa vulgaris* or Gemeine Wespe: Wabe, bedeckte Zellen, Nest-huelle, oder Mantel, Maennchen, Weibchen, Arbeiter, Larve, Puppe.

14. *Venessa jo* or Tagespfauenaue: Futterpflanze, Raupenfliege, Raupe, Maennchen, Weibchen, Eier, Puppe.

15. *Apis mellifica* or Honigbiene: Koenigin oder Weibchen, Drohne oder Maennchen, Arbeiter oder Honigbiene, Puppen, Larve, bedeckte Zellen, Honig-Zellen, Wabe, Koenigin Zelle, Drohnen- oder Maennchen-Zelle, Arbeiter oder Bienenzelle.

16. *Melolontha vulgaris* or Maikaefer: Eier, 1-2-3 jaehrige Larven oder Engerlinge, Puppe, Maennchen, Weibchen, Futterpflanze.

17. *Lucanus Cervus* or Hirschkaefer: Maennchen, Weibchen, Puppe, 1-2-3 jaehrige Larve.

18. *Latia aedilis* or Widderbockkaefer: Frass-stueck, Maennchen, Weibchen, Puppe, Larve, Bohrgang.

II. Articles loaned to the Adelphi by Mr. Oscar Pfeiffer: Large mounted Head of Elk; Pair of mounted Owls; Three Ship-models for the Mechanical Drawing Room; Relics of a Sioux Indian Chief killed at the battle of "Wounded Knee," Pine Ridge Agency, So. Dakota, including the following articles: War-bonnet, Vest ornamented with beads, Medicine Shirt, Omaha Belt, and other belts; War Club, Knife-case, Pipe, Quirt, Necklace, Arrows, Saddlebag, Moccasins, and a number of ornaments and toys.

III. Section of wooden water-pipe, New York's first city water-pipe, laid by the Manhattan Company (Aaron Burr's famous banking company), probably about 1802 or 1803. Presented by Mr. Willard S. Tuttle.

IV. Cutting from tree planted by Napoleon Bonaparte in the Island of Elba. Presented by Prof. V. E. Scharff.

V. Two cases of birds, mounted. Presented by Mrs. Silas Tuttle.

VI. Pictures and Decorations:

1. Faith, from the painting by Burne-Jones. Presented by the Chi Pi Kappa Society.

2. Interior of the Church of "St. Paul without the walls" at Rome. Presented by the Associate Alumnæ of the Adelphi Academy.

3. Reading of Homer, from the painting by H. Bates. Presented by the Associate Alumnæ of the Adelphi Academy.

4. Rouen Cathedral (etching). Presented by the Associate Alumnæ of the Adelphi Academy.

5. School of Athens, from Raphael. Presented by the Associate Alumnæ of the Adelphi Academy.

6. English Cathedrals (Canterbury, Lincoln, and Salisbury). Name of donor withheld by request.

7. Chichester Canal, from Turner. Presented by the Class of '01.

8. Petworth Park, from Turner. Presented by the Class of '01.

9. Portrait of Dr. Stephen G. Taylor, Principal of the Adelphi Academy, 1875-1883. Presented by Dr. Taylor's son, Mr. W. Irving Taylor.

10. The Delphic Oracle, from Michelangelo, in room 77. Presented by the Adelphian Board.

11.-12. Sir Galahad, by Watts, and The Lark, by Breton; prints presented to room 30, Academic Building, by the class graduating from that room in June, 1900.

13-18. Portraits of Bacon, Descartes, Leibnitz, J. S. Mill, Kant, and Hegel; the Open Court Series of Portraits of Philosophers, in room 76. Presented by Prof. F. W. Osborn.

19-31. Photographs and Photogravures: The Gleaners, Millet; Head of Christ, Hoffman; Vittoria Colonna and St. Agnes, Le Febvre; Christ and the Children, Roederstein; Sheep, Mauvre; Autumn Scene, Fisher;

Das Märchenbuch, Rotta; Burns' Cottage, Shakspeare's Cottage and Inscription, portrait of Mendelssohn; Chorister Boys, Della Robbia; Madonna, Murillo—all in room 25, Academy Building, and presented by the students in that room, 1901.

32. Photograph of the Frieze, by Sargent, in the Boston Public Library. Presented by Prof. V. E. Scharff.

33. Photograph of Fountain at the Paris Exposition. Presented by Miss Helen E. Redding.

Through the generosity and energy of many of the students and teachers the following rooms have been suitably and tastefully decorated during the current year: in the College Building. Rooms 51, 53, 63, 65, 76, 77; in the Academic Building, Rooms 1, 8, 21, 24, 25, 30, 31. The hallway at the St. James Place entrance of the latter building was decorated by gift of Mr. Walter L. Green.

VII. The Senior Class of 1900 gave to the College at Commencement time a sum of money for the purchase of books, which enabled the College to expend two hundred dollars for the benefit of the Library. The Library also received from Mr. Charles J. McDermott a set of Chamberlain's Universities and their Sons; from Major James A. McMicken, Personal Recollections of the War of the Rebellion, 1st and 2d Series; from Mr. Henry Wood, Political Economy of Natural Law, and Victor Serenus; from Mrs. Western W. Wager, Sweethearts and Other Poems, by Lillie Rachel Wilson; and from various members of the Faculty during the current year, forty-one volumes, upon various subjects.

VIII. The Senior Class of 1901 made a gift of money which enabled the College to expend about three hundred dollars in the purchase of books and pictures.

IX. Concerning the generous gifts that have been made by several individuals during the current year to the Adelphi Endowment Fund, proper specific acknowledgments will be made elsewhere.

Students' Organizations.

Branch of the Young Women's Christian Association—Helen A. Comins, C., '01, Pres.; Cora B. Snowden, C., '02, Vice-Pres.; Grace C. Cotton, C., '02, Sec.; Ruth L. Cutter, C., '03, Treas.

College Students' Association for Self-Government—Organized 1896. *Girls*: Helen E. Redding, C., '01, Pres.; Juliette G. Hollenback, C., '02, Vice Pres.; Ruth L. Cutter, C., '03, Sec.; Grace A. Cooper, C., '04, Treas.; Exec. Com.: Mary S. Bacchus, and Theodora Goldsmith, C., '01; Cora B. Snowden, and Alice L. Nason, C., '02; Minnie R. Demarest, and Eva H. Finlay, C., '03; Martha Casamajor, and Marion S. Whitney, C., '04. *Boys*: Robert S. Salter, A., '01, President; Eugene C. Howe, A., '02, Vice-Prest.

Historical Club—Dr. A. G. Fradenburgh, Pres.; Emily C. Seaman, Sec. Exec. Com.: A. B. Keep, Mabel Miller, E. E. Proper.

Mathematical Club—Asst. Prof. R. B. Allen, Pres.; Clara L. Crampton, Vice-Pres.; R. B. Mattern, Sec.

Meetings: Every fourth Tuesday, 4:15 P. M. Room 74.

The Adelphi Union—An association composed of Adelphi Academy, College and Normal Alumnæ, for the purpose of Christian and philanthropic work. This work had its beginning in a free Kindergarten established by the Normal Alumnæ in 1898, at the United Charities Building, 1660 Fulton street. Since December, 1899, members of the Academy and College Alumnæ have maintained in the same building classes for older children; also a penny provident fund and library, the books of which were contributed to the Union by the Academic grades of the Adelphi. President of Adelphi Union, Mary M. Hopkins, A., '97; Vice-Pres., Ethel James, A., '97; Treas., M. Louise Munson, A., '97, C., '99.; Sec., Mary E. Mathews, A., '97, C., '99; Directors: Alice I. Kent, A., '83, Anna E. Harvey, Alice M. E. Pfizer, A., '97, C., '99, Prof. E. V. Gaines, C. '98.

The Adelpian—Established 1881. Published monthly by the Adelpian Publishing Association. Mary S. Bacchus, C., '01, and George G. Reynolds, A., '03, Editors-in-Chief; Assistant Editors: Theodora Goldsmith, C., '01, Juliette G. Hollenback, C., '02, Grace A. Cooper, C., '04, Frederic L. Humphrey, A., '02, Ernest B. Humpstone, A., '03, Roger Mason, A., '03, Crosby P. Spinney, A., '03.

Alumnæ Glee Club, Students' Glee Club, Mandolin Club—Prof. John Hyatt Brewer, Director.

Dramatic Association—Lewis M. Thornton, Sp., Pres.; Mary S. Welles, Sp., Vice-Pres.; Minnie R. Demarest, C., '03, Sec.; Royal H. Fowler, A., '03, Treas.

Sketch Club—Prof. J. B. Whittaker, Pres.; Maurice Thran, Sec.

Adelphi College Alumni Association.

Organized, January 19, 1901. Officers: Freda M. Brunn, '99, Pres.; Violette E. Scharff, '00, Vice-Pres.; Sophie Zollinhofer, '99, Recording Secretary; Mabel Miller, '98, Corresponding Secretary; Lucy Taylor Lewis, '99, Treasurer.

Commencement June 3-8, 1900.

The baccalaureate sermon was delivered on Sunday evening, June 3d, in the College Hall, by Rev. Dr. Albert J. Lyman. The Commencement exercises occurred in the same Hall on Friday evening, June 8th. Rev. Dr. Jay Benson Hamilton offered prayer, and an address was made by Lieut.-Gov. Timothy L. Woodruff, President of the Board of Trustees. Degrees were conferred as follows :

Bachelor of Arts—In the Classical Course: Emma Jessie Ogg. In the Literary Course: Emily Grant Kelsey, Florence Elliott Martin, Winifred Maxon, Caroline Sylvia Norton, Violette Eugénie Scharff, Louise Emery Tucker, Marguerite Walbridge.

Bachelor of Science—Eldert Bergen.

Award of Barlow Medals—Sophomore Class: Classical Course—William E. Burtis. Literary Course—Harriett M. Martin.

Diplomas of the Adelphi Academy were presented to the following undergraduates :

In the Classical Course.—William Edgar Burtis, Ethel May Emerson, Lewis Burton Hall, Jr., Alice Louise Nason, Alice Bertha Newton, Dallas Huntington Rogers.

In the Literary Course.—Julia Lockhart Brown, Edith Adele Cotton, Grace Corning Cotton, Ethelyn Augusta Fuller, Violet Louise Henson, Laura Delano Hitch, Juliette Genève Hollenback, Harriett Maria Martin, Clarine Van Bergen Matson, Jennie Irene Pfeiffer, Helen Ray, Cora Bayard Snowden, Christine Van Cleve, Laura Vernon, Annie Maud Webb, Katharine Eleanor Whitney.

In the Scientific Course.—John Winfred Ager, Charles Willard Raine.

Diplomas of the Adelphi Normal Course for Kindergartners were awarded to the following students:

Grace Chalmers Arcularius, S. Josephine Birdsall, Amanda Edson, Grace Gilbert, Maude Hamilton, Louise Marie Hoffmann, Ella May Martin, Mary Esther Newell, May Chace Shaw.

REGISTER OF STUDENTS IN ADELPHI COLLEGE.

1900-1901.

GRADUATES.

JOHNSTON, EMMA L., B.A. (Adelphi, '99).
 LEWIS, Mrs. LUCY T., B.A. (Adelphi, '99).
 OGG, EMMA JESSIE, B.A. (Adelphi, '00).
 PATTERSON, MABEL L., B.A. (Vassar, '99).
 WALBRIDGE, MARGUERITE, B.A. (Adelphi, '00)—5.

SENIOR CLASS.

Bacchus, Mary S.	Redding, Helen E.
Barber, Cora L.	Stanton, Mildred A.
Blake, Mabelle A.	Thackray, M. Josephine
Comins, Helen A.	Whitehall, Frank M.
Goldsmith, Theodora	Whittaker, Margaret S.
Kennedy, Mary S.	Wilson, Grace C.—13.
Mackay, Jane M.	

JUNIOR CLASS.

Cotton, Grace C.	Rogers, Dallas H.
Garland, Adelaide P.	Snowden, Cora B.
Heuermann, Helena F.	Van Cleve, Christine
Hollenback, Juliette G.	Webb, Annie Maude
Martin, Harriett M.	Woodbury, Ella A.—11.
Nason, Alice L.	

SOPHOMORE CLASS.

Abraham, Edith S.	Gilmore, H. Blake
Auel, Pauline M.	Greene, Katherine S.
Barber, Sara M.	Hall, Ethel
Bliss, Ida L.	Levy, Dora
Burrows, Mary H.	Louis, Amelia C.
Coppins, Hazel E.	McCormick, John
Crane, Emma S.	Mitchell, Marguerite
Cutter, Ruth L.	Murr, Laura H.
Demarest, Minnie R.	Salter, Robert S.
Finlay, Eva H.	Story, Josephine B.
Gauvran, Ethel H.	Wykes, Leila
Gelston, May	Wheeler, Benjamin R.—24.

FRESHMAN CLASS.

Amrath, Adela B.	Kelley, Josephine
Balbin, Emilie A.	Koos, Charlotte R.
Briggs, Mae	Law, Lito W.
Brown, Gwendolen	Lichtenstein, Ida M.
Carson, Esther E.	Nesmith Ruth
Casamajor, Martha	Pitou, Elsie E.
Case, Anna	Plump, Julia H.
Cooper, Grace A.	Pritchard, Anna M.
Dixon, Mary F.	Richter, Jessie H.
Doody, Florence	Romer, Mary S.
Frith, Marie S.	Ryon, Henry
Graf, Bertha F.	Seymour, Josephine
Hawkins, Florence L.	Stone, Katherine W.
Hollingshead, Bessie L.	Turner, Eva G.
Hooton, Grace E.	Tuthill, Dorothy E.
Howe, Eugene C.	Von Nostitz, Emilie C.
Humphrey, Fred L.	Wheeler, Hattie
Ives, Eloise S.	Whitney, Marion S.—37.
Jarvis, F. Eleanor	

MATRICULATED STUDENTS IN TEACHERS' COURSES.

Bahr, Ida M.	Hobbs, Amy L.
Barclay, Margaret E.	Hochart, Marie
Barr, Jessie	Holden, Gertrude E.
Bogue, Harriet L.	Jackson, Helen M.
Clark, Leila C.	King, Katherine J.
Coffin, Mary E.	Lambert, Louis L.
Crane, William A.	MacNary, Alice B.
Davis, Frank L.	Porter, Alice S.
Dean, Clara B.	Pyles, Marion
Duncan, Mary E.	Quinlan, Grace M.
Ennis, Isabelle A.	Robinson, Nora F.
Granger, Anna D.	Shotwell, Mrs. Alice G.
Gray, Temperance	Starkey, Mary F.
Hale, Elizabeth H.	Thorne, Beatrice S.
Henry, Ida M.	Turner, Kate E.
Higgins, Alice	Valentine, Mary F.
Hobbs, Alice E.	Washington, Mary E.—34.

SPECIAL STUDENTS.

Addinsell, Mrs. F. M.	Matson, Clarine V. B.
Allen, Mrs. J.	Merryweather, Amelia B.
Christensen, Alice F.	Miller, Amy J.
Coddington, Jessie T.	Miller, Lydia
Comings, Fannie S.	Monk, Caroline L.
Dugan, James A.	Morey, James S.
Duncan, Mary W.	Moriarty, Mrs. Annie B.
Goddard, Mrs. Mary C.	O'Brien, Catherine L.
Hagen, Cora M.	Pendleton, Maria
Halbert, Anna E.	Powers, Lillian I.
Halbert, Matilda C.	Schradieck, Alice
Hall, Mabel H.	Schwab, Matilda
Hall, Walter C.	Simmons, Marcia
Hodges, Kate L.	Starkey, Warren L.
Hollenback, Amelia W.	Sullivan, Janet
Jones, Edwin	Swartz, Mabel R.
Kerby, Harriet L.	Usher, Matilda
Kouwenhoven, Cornelia	Warford, Marie
Lawrence, Azilia M.	Watson, Cecilia
Loope, John A.	Welles, Mary S.
Lowe, Mary	Wheeler, Donovan—42.

RECAPITULATION.

Graduates	5
Seniors.....	13
Juniors.....	11
Sophomores	24
Freshmen	37
Matriculated Students in Teachers' Courses.....	34
Special Students.....	42
Total.....	166

THE ADELPHI NORMAL COURSE, OR TRAINING CLASS FOR KINDERGARTNERS.

Faculty.

CHARLES H. LEVERMORE, Ph.D., President

ANNA E. HARVEY, Director. Instructor in Kindergarten Theory,
and Secretary of the Faculty.

FREDERICK W. OSBORN, B.A., A.M., Professor of Psychology and
Education.

JOHN B. WHITTAKER, Professor of Painting and Drawing.

FREDA M. BRUNN, B.A. (Adelphi, '99), Instructor in Psychology.

ELIZABETH V. GAINES, B.A., Professor of Biology.

FRANCES H. FLAGLER, Instructor in Physical Culture.

CAROLYN S. KIBBE, Instructor in Vocal Music.

SARAH E. SCOTT, A.M., Instructor in Theory and History of Education.

ADALINE G. WYKES, Instructor in Manual Training.

This course extends through two years. Candidates for admission must be at least eighteen years of age, must have had either a high-school training or its equivalent, and must satisfy the Director that they are competent to study kindergartening with prospect of success. Students who complete the full course and give satisfactory proof of proficiency and ability will receive a diploma certifying to their attainments. Only a limited number of students will be admitted to this course. Students who are qualified to enter the Junior Class in Adelphi College may present the studies of this Normal Course as options in the Junior and Senior Years, and as part of the necessary work for a baccalaureate degree.

Course of Study.

First Year.

The First Six Kindergarten Gifts.	
Clay Modeling,	} Kindergarten Occupations.
Paper Folding,	
Parquetry,	
Mat Weaving,	
Sewing,	
Games and Stories	
Elementary Psychology.	
History and Theory of Education.	
Lectures on the History of Art (optional).	
Free-Hand Drawing and Color Work.	
Kindergarten Drawing	
Music—voice culture.	
Physical Culture.	
Zoölogy and Botany.	

Second Year.

The Last Seven Kindergarten Gifts.	
Slat Interlacing,	} Kindergarten Occupations.
Paper Interlacing,	
Paper Cutting,	
Peas Work.	
Card Modeling,	
Coloring,	
Games, Stories, and Program-Plans.	
Lectures on the history of Art (optional).	
Music—voice culture.	
Physical Culture.	
Study of Froebel's "Mother-Play."	
Theory of Education.	
Psychology.	

Candidates for admission must present certificates from institutions of recognized standing, or be prepared to pass examinations in the following subjects: English (Grammar, Rhetoric, and Literature—the college entrance requirements for the year or their equivalent), General History, Physiology, Plane Geometry, Physics, and three years' study of a language other than English.

Candidates may present themselves for examination in either June or September at the time of Adelphi College entrance examinations, as stated in the College calendar. Applications for admission to these examinations should be made at least one week before the date of the examinations, to the Director,

MISS ANNA E. HARVEY,
Adelphi College,
Brooklyn, N. Y.

Terms: The fee for instruction in the Training Class is \$100 per annum. There are no extra charges.

The Adelphi Normal Course for Kindergartners was organized in 1893. The first class, consisting of nine members, graduated in 1895. The statistics to the present date are as follows:

Number of Graduates.....	62
Teaching in Public Schools {	
Directors.....	8
Assistants.....	12
	— 20
“ “ Private “ {	
Directors.....	8
Assistants.....	2
	— 10
“ “ Association or Free Kindergartens,	
Directors.....	6
Assistants.....	5
	— 11
Acting as substitutes.....	3
	— 44
Married.....	7
Not candidates for any position.....	11
	— 18
	— 62

The Adelphi Normal Kindergarten Alumnæ Association was organized in 1896. The officers for 1901-1902, are: President, Kate E. Haley, '98; Vice-President, Margaret Holmes, '95; Secretary, Jean McNiel, '97; Treasurer, Bessie H. Thompson, '97. In 1898 this Association directed its efforts toward maintaining a free kindergarten at the Bureau of Charities, 1660 Fulton Street, Brooklyn. This work has been carried on most successfully since that time, and affords an excellent opportunity for practice work for

the normal students. The Mothers' Club organized in connection with this kindergarten is the best proof of the good of the work in this neighborhood. Acquaintance with this Mothers' Club is particularly valuable to the normal students in that it prepares them for work among mothers, a work which is carried on in all Association and Public School Kindergartens. In addition to the practice teaching in the Alumnæ Kindergarten, the normal students have had opportunity for teaching in the Kindergartens of the Church of the Incarnation (Quincy Street, near Classon Avenue), of the "Children's Mission" (Eagle Street, Greenpoint), and in the Intermediate Department and Kindergarten of the Adelphi.

Register of Students in Normal Course, 1900-1901.

SENIOR CLASS.

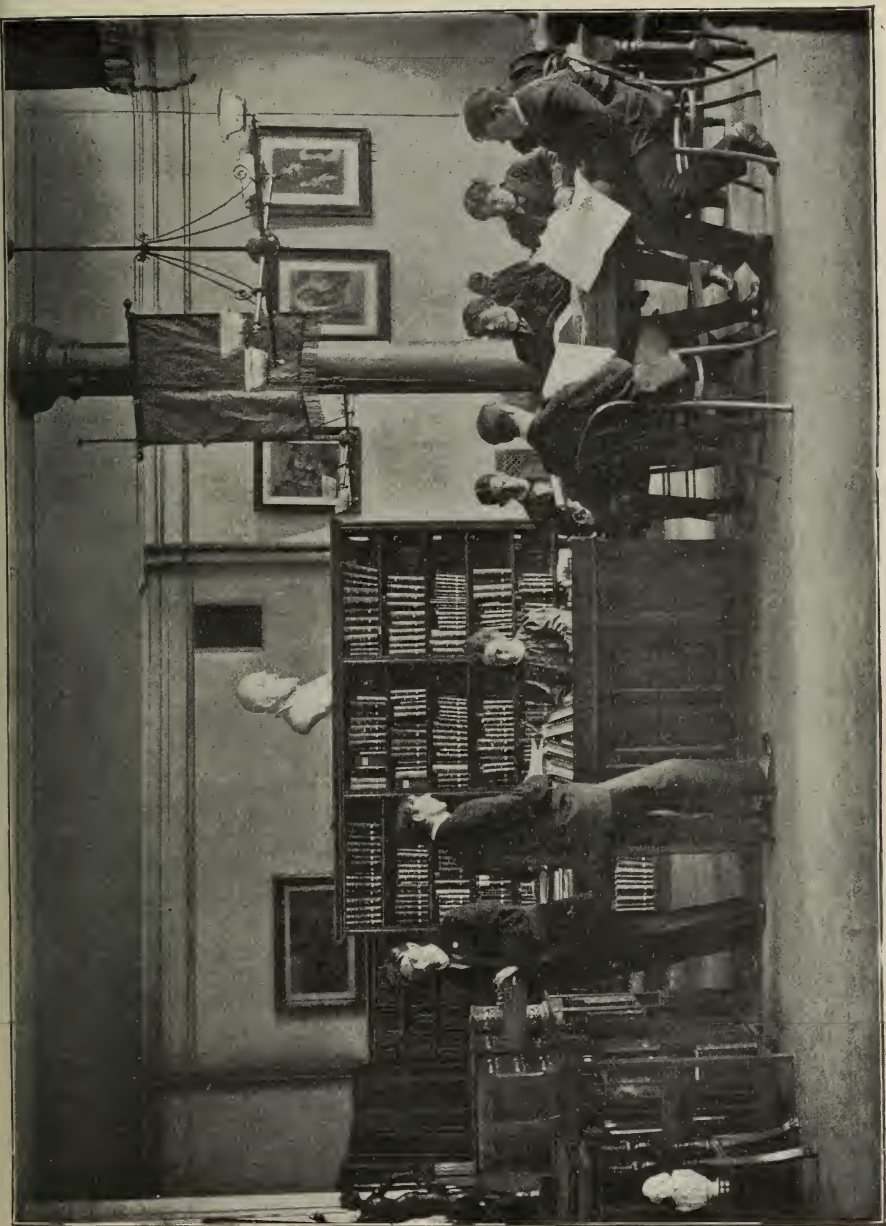
Allaire, Louise
Dunham, Mabel Florence
Eddy, Gertrude
Fawcett, Ada M.
Ludlum, Alice C.
Major, Maria Catalina

Phair, Edith Olive
Smith, Olive Knight
Walsh, Loretta J. U.
Warren Harriette D.
Wyckoff, Florence E.—11.

JUNIOR CLASS.

Fish, Agnes Louise
Hanna, Florence A.
Kelly, Eugenie S.
Menahan, May Frances
Mendes, Emily G.
Morrison, Florence E.

O'Keefe, Marguerite
Read, Martha B.
Ross, Julia C.
Silverman, Sadie P.
Warren, Lila H.—11.





THE DEPARTMENT OF FINE ARTS.**Faculty.**

CHARLES H. LEVERMORE, Ph.D., President.

FREDERICK W. OSBORN, B.A., A.M.,

Professor of Psychology and Education.

JOHN B. WHITTAKER,

Director of the Art School, and of the Normal Art Course.

Professor of Painting and Drawing.

HENRY G. HANCHETT, M.D., Professor of Theoretical Music.

JOHN HYATT BREWER Professor of Vocal Music.

LOUISE BOTH-HENDRIKSEN, Instructor in the History of Art.

EDITH HALL GALE (Mrs. W. S. Gale), Accompanist.

GERTRUDE M. HALE, Accompanist.

CAROLYN S. KIBBE, Instructor in Vocal Music.

ASHBURTON S. LEWIS, Accompanist.

SARAH E. SCOTT, A.M., Instructor in Theory and History of Education.

OLIVER WEBB, Instructor in Wood-working.

ADALINE G. WYKES, Instructor in Drawing.

The whole of the fifth floor of the Collegiate Building is devoted to the Art Department. There is a spacious studio, which is furnished with full and half-sized statues, large and small torsos, busts, masks and reliefs. There is also a large room for classes in drawing and painting from life. Besides, there are three rooms for modeling, the making of casts, and for the use of small classes. There is also a manual training workroom.

The special student entering the Art Department is independent of the other departments of the school, and there are no restrictions as to age. One may choose, according to predilection or ability, between the antique, still life, portrait, figure, charcoal, pastel, oil and water color, or he may include all in his studies for which he finds time.

Students in this department are admitted to all privileges of the College library and reading room.

NORMAL ART COURSE.

The studies in the Art School and the College have been combined so that they constitute a normal training for students who wish to become teachers of drawing. Applicants for admission to this course, who intend to become candidates for drawing certificates, must be at least 18 years of age, and must either be graduates of a high school or be able to show by examination that they possess an equivalent preparation. All applicants will be required also to pass an examination in drawing, set by the Director

of the Art School. Students in the Normal Art Course are required to attend five whole-day sessions weekly (whole-day session, 6 hours), and also such sessions of the evening life classes and the Sketch Club as are designated by the Director. The course is for two years, and a diploma is awarded to those students who complete the work of the course satisfactorily. The fee for instruction in the Normal Art Course is \$75 a year, payable quarterly in advance. All students in this course may, at the discretion of the Director and Faculty, be required to attend courses of lectures upon Art that are among those delivered each year before the Brooklyn Institute.

Course of Study.

First Year.	Second Year.
Cast Drawing and Clay Modeling, 4 half-day sessions. Freehand Perspective. Sketching and Composition, 3 half-day sessions. Instrumental Drawing, 1 half-day session. History of Art (Miss Louise Both-Hendriksen), 4 hours weekly. Psychology (Prof. W. F. Osborn), 3 hours weekly. History and Theory of Education (Miss Sarah E. Scott), 2 hours weekly.	Cast Drawing, 1 half-day session. Freehand Perspective and Sketching, 2 half-day sessions. Composition, 2 half-day sessions. Water Color, 2 half-day sessions. Elementary Manual Training, 3 hours weekly. History of Art (concluded), 1 hour weekly. Psychology (concluded), 3 hours weekly. Pedagogics (concluded), 3 hours weekly.

For circulars and other information concerning the Adelphi Art Department and Normal Art Course, address the Director,

PROF. J. B. WHITTAKER,
Adelphi College,
Brooklyn.

Register of Students in the Art Department—1900-1901.

DAY CLASSES.

Adams, Ernest C.	Maine, Frederick E.
Basserman, Herman	McAfee, Helen R.
Bellevue, Adrien	McCoy, Claire
Bliss, Ethel	McKinney, Mae
Braxton, Ernest W.	Murrin, Nellie
Brown, Mabel E.	Parker, Norma A.
Buckman, Susan L.	Phelps, Mary F.
Burk, Julie A.	Pollock, Isabelle
Burky, Anna J. N.	Preater, Lillian C.
Burtis, Ella M.	Puddington, Anna
Cartledge, Edith E.	Quinlan, William J.
Child, Josephine F.	Ray, Edith
Cotton, Edith A.	Richter, Erna C.
Crombie, Ruth	Robinson, C. Marguerite
Elmore, Clara V.	Rosenberg, Morris
Feldmann, Claire	Ross, Harold D.
Fitzmaurice, Mrs. Charles	Russell, Mrs. J. L.
Foster, Georgiana L.	Seelbach, Frederick C.
Golder, Ethel L.	Seifert, Max J.
Grubè, Arthur	Selss, Valeska M.
Guarino, Anthony	Shields, Eugénie
Hawes, Adeline	Shoudy, Theodore
Heath, Edda M.	Sliter, Mrs. Mary A.
Heggie, Laurie V.	Slocum, J. Adèle
Hitch, Laura D.	Smith, Thérèse L.
Hoffman, Helen	Stearns, Leontine D.
Holland, David B.	Tomlinson, Mrs. Elizabeth
Jones, Preston J.	Tyler, Eleanor W.
Keep, Marion L.	Uhlig, Marie E.
Kelley, Josephine	Van Everen, Jay
King, Eleanora W.	Villers, J. Jay, Jr.
Kissam, Florence E.	Wallach, André R.
Klein, Henriette	Williams, Ethel
Knowles, Ethel H.	Wood, Olive L.—69.
Lyons, Mrs. Clara M.	

EVENING CLASSES.

Ackerman, Henry
Anderson, Andrew J.
Armstrong, Edmund B.
Arons, Joseph S.
Badger, Charles A.
Baker, Alice
Bellevue, Adrien
Bennett, William
Bill, David J.
Braxton, Ernest W.
Burky, Anna J. N.
Carlson, Alma H.
Carroe, Otis L.
Caswell, William
Clancy, Thomas R.
Clay, Eugenia
Cleveland, Grover S.
Cooke, Dorothea
Corso, Joseph
Cortelyou, Robert T.
Crossette, Robert
Cudlipp, William F.
Culbertson, Josephine M.
Cumming, Douglas
Dawson, Harry P.
Deane, Mrs. E. G.
Deitsch, Adolphe
Donner, Mrs. S.
Downs, Eunice
Durant, Charles W.
Dwelle, Vernon
Eagleston, David M.
Evans, Mrs. Z. A.
Fickenssen, George
Fletcher, F.
Foley, Frederick
Franks, George
Frye, Will R.
Fuller, Arthur B.
Furman, Gustave
Gazan, Charles H.
Gill, Edwin H.

Gordon, John
Green, George
Hall, Adele P.
Hamilton, Isabelle M.
Hammitt, Howard
Hanlon, Louis
Harvey, Albert
Heath, Edda M.
Herman, Max R.
Hicks, Frances
Hollroch, George
Hood, George W.
Hudson, Mrs. E. H.
Hughes, Charles A.
Iremunger, Mrs. F.
Jansen, Irene
Jelliffe, Henrietta
Kahles, Fred
Kane, Martha
Keech, Charles M.
Kooney, Emmeline E.
Kreamer, Savier
Kranz, Frederick, Jr.
Kurzenhausen, Jacob
Lasher, Susan E.
Ledger, Marian
Leibschcr, Gustave
Lester, C. S.
Lewis, F.
Little, Mrs. Charles
Lockhart, Frank B.
Lyons, Mrs. Clara M.
Macoy, May
Marsh, Grace E.
Martino, Esther
Martino, Mary
McCrea, Edward S.
McIntyre, Maie G.
McKay, George
McManus, Mary
McRae, Georgie
Merrick, M.

Milham, Guy	Smith, Leslie
Miles, Stella	Sontag, Louis
Miller, Augustin W.	Spencer, Ruth
Mills, Amos R.	Speth, John
Moll, Mary	Stevens, Ernest
Molleson, F. H.	Sullivan, John F.
Monroe, Thomas E.	Tait, Howard
Murrin, Nellie	Thinnes, Jacob
Neumers, John	Thran, Maurice
Palmer, Lizzie M.	Thurston, Edwin
Pennell, Mary Alice	True, Harold E.
Peterson, Peter	Van Altena, Mrs. V.
Pick, William J.	Vanderwaag, Edwin
Pine, Eva P.	Volk, Estelle J.
Pinney, Florence	Wadsworth, Blanche
Preater, Viola	Walker, Mabel
Pursick, Samuel H.	Warrin, Edmondson
Quinn, Annie T.	Washbourne, James H.
Rawlinson, Tillie	Watson, James
Reiners, Robert W.	Way, Cornelia M.
Rice, Helen	Wegener, Charles E.
Richter, Erna C.	Wheat, Frank M.
Roe, Albert F.	Whitmore, Olive B.
Rohlfing, Mary A.	Wiggins, Guy C.
Scott, Abarta	Wilkins, Myrtle
Shepherd, George	Wright, Nettie T.—136.

RECAPITULATION.

Day Classes	69
Evening Classes	136
	—
	205
Deduct names inserted twice	6
	—
Total in Art Department	199

THE SCHOOL OF MUSICAL ART.

Faculty.

- CHARLES HERBERT LEVERMORE, B.A., Ph.D.,
President, *ex-officio*.
HENRY GRANGER HANCHETT, M.D., A.G.O.,
Director, Analysis, Interpretation, The Piano-forte.
RAYMOND HUNTINGTON WOODMAN, A.G.O.,
Composition, Harmony, The Organ.
JOHN CORNELIUS GRIGGS, B.A., Ph.D., History of Music.
RENIE SCOVILLE BOICE (MRS. HENRY SMOCK BOICE),
Vocal Culture, Singing.
MARTIN W. BOWMAN, Voice Culture, Singing.
ELLEN HOLLY, The Piano-forte.
SUSAN SCOVILLE BOICE, Voice Culture, Clavier Technique.
CLARENCE DEVAUX-ROYER, The Violin.
MADELEINE W. COVERLEY, The Violin.
ELLEN AMEY, The Violin.
G. H. MATHER, Registrar.

Examiners for Certificates and Diplomas.

- DR. WILLIAM MASON, The Piano-forte.
WILLIAM H. SHERWOOD, The Piano-forte.
MRS. GERRIT SMITH, Singing.
A. J. GOODRICH, Theory and Composition.
WILLIAM C. CARL, The Organ.
GUSTAV DANNREUTHER, The Violin.

COURSES OF STUDY.

I. COLLEGIATE. II. PRACTICAL. III. PROFESSIONAL.

I. THE COLLEGIATE COURSE is wholly Theoretical or Analytical. It provides the options that will be accepted as counting toward the Adelphi degrees. It affords a general knowledge of the structure and significance of Musical Art. It includes class work in Harmony, Counterpoint, Musical Analysis, Musical History, and attendance upon the Analytical Recitals. For details refer to "Courses of Study" Nos. 120, 121 and 122.

II. THE PRACTICAL COURSE consists of Private instruction in Piano playing, Organ playing, Violin playing, and Singing; Class instruction in Interpretation (for advanced pupils who are taking private lessons), in Sight-Playing of instrumental music, and in Keyboard Technique by the Virgil Clavier Method (for piano students only).

NO CLASSES IN PIANO-PLAYING OR SINGING ARE CONDUCTED; all instruction in such subjects being given by PRIVATE LESSONS.

III. THE PROFESSIONAL COURSE comprehends both the preceding courses, and, in addition, Class work under Adelphi Professors in Psychology (for teachers), Physics (Acoustics), German; and private work in advanced branches of musical theory, Canon, Fugue, Orchestration and artistic Interpretation. All the instruction required for the attainment of the degree of Bachelor of Music by examination, will be afforded to students who are in any of the prescribed courses in Adelphi College. Such instruction will be provided, subject to the approval of the faculty, among the options of the Junior and Senior years, to students who have previously accomplished the work prescribed for the Collegiate Course in Music.

ADMISSION AND GRADUATION.

Students desiring to enter the Collegiate or Professional Course should present themselves at the opening of the session in September. Those applying later for admission to classes will be required to pass examination on the work already accomplished.

Special students may be admitted at any time to private lessons, and also to any classes for which they may be prepared. They will be charged from the date of admission. Students in the School are eligible for membership in the glee clubs under the direction of Professor John Hyatt Brewer.

Credentials stating the amount of work accomplished will be accorded to all students desiring them upon completion of not less than one year of satisfactory work in the school. By appearing before the examiners and satisfying them as to attainments their names may be secured upon such credentials.

Graduation will be accorded only upon the recommendation of the examiners, and will signify high attainments in a specialty and good general theoretical and practical knowledge of music. Those who specialize in piano playing will be expected to know at least a dozen compositions by Sebastian Bach, as many more by Emanuel Bach, Händel, Mozart, and Haydn; at least six Beethoven Sonatas, one of which must be the Waldstein Sonata or one as difficult, and not less than twenty compositions by standard modern composers of the grade of the Chopin Ballads and Scherzos, so that all may be played with artistic skill in public or to the examiner. In other practical branches a corresponding amount must be accomplished. Every candidate must possess a thorough knowledge of Harmony and Musical Analysis.

TEACHERS' CERTIFICATES will be granted to such persons as can bring acceptable testimony as to character and fitness for the work of teaching, and pass examination before the Faculty and the Board of Examiners in at least three subjects taught in the school, one of which must be Harmony, and at least one other must be practical. The standard of examination will be similar to that required for graduation.

CONCERTS AND RECITALS.

The Director's Analytical Recitals are given at frequent intervals throughout the year. Artist Musicales are given occasionally before the School. Concerts of all kinds, of a very high grade and at unusually low prices of admission, are a special feature of the work of the Brooklyn Institute. Many other excellent opportunities are afforded not only in Brooklyn but in Manhattan for the study of music through public performances. Pupils of this School, who are competent, assist in public concerts and recitals. Those sufficiently advanced appear before the Interpretation Class and are there trained in public performance.

TERMS AND EXPENSES.

Each term of the School of Musical Art consists of eight school weeks. Lessons omitted on account of holidays will be made up. Lessons missed by pupils and time lost by their tardiness are forfeited. In case of protracted illness exceeding four weeks, and by notice given and arrangement made in advance, the *private* lessons lost may be postponed to another term, or one half the loss will be borne by the School. Class lessons cannot be postponed or made up if omitted.

The right is reserved to withdraw any class herein announced, if less than six pupils apply for it at the opening of the term.

Unless otherwise specially arranged, all bills for tuition are for one full term of eight school weeks, and are due and payable to the Director strictly in advance at the time of registration or at the opening of a subsequent term. Music may be paid for when taken or on presentation of bill.

Pupils taking two or more classes in connection with lessons from the Director are allowed a considerable reduction in price.

RATES OF TUITION.

By the Term of Eight School Weeks. Payable Strictly in Advance.

	TO ADELPHIANS.	TO ALL OTHERS.
Analytical Recitals (Course of Four).....	\$0.	\$1.
Class Instruction.....	4, 6, or 8.	7, 10 or 14.
Adelphi Required Theoretical Course (Classes).....	10.	\$17.
Private Instruction (one hour weekly)....	From 12 to \$30.	From 16 to \$48.
Examinations and Certificates.....		From 10 to 30.

OFFICE HOURS.

The Director's office hours are at twelve, noon, on Tuesdays, Wednesdays, and Fridays. On Mondays and Thursdays he may be found at No. 136 Fifth Avenue, Manhattan. For further information address the Director,

DR. HENRY G. HANCHETT,
Adelphi College. Brooklyn,
New York City.

LIST OF STUDENTS.

Florence Attwell	Leonora H. McMichael (Mrs. R. F. McMichael)
Susan S. Boice	James M. Murphy
Alice F. Christensen	May T. Pettit
Marguerite S. Cook	Ethel May Porter
George William Dodd	Grace B. Powell
Grace Dodge	Faunetta M. Rose
Mabel Ida Dodge (Mrs. Charles J. Dodge)	Carrie Silkman
Waldemar Fries	Mildred Snow
Marian A. Hachtmann	Mabel K. Swezey
Alice J. Harding	Edith Thurston
Ellen Holly	Ruth Thurston
Bertha Hull	William H. Thurston, Jr.
Sophie M. Kayser	Edith L. Vernon
Clarine V. B. Matson	Veni A. Warwick
Gladys M. McCoy	Laura Wicks—30

**SUMMARY OF NUMBER OF STUDENTS IN ADELPHI COLLEGE
AND ITS SUBORDINATE DEPARTMENTS, EXCEPT
THE ADELPHI ACADEMY:**

Adelphi College,	166
Normal Course,	22
The Art School,	199
School of Musical Art,	30
	417
Deduct names inserted more than once,	2
Total,	415

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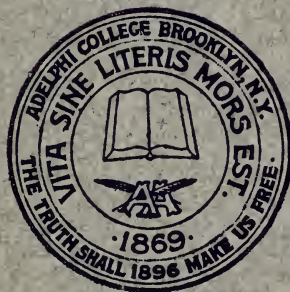
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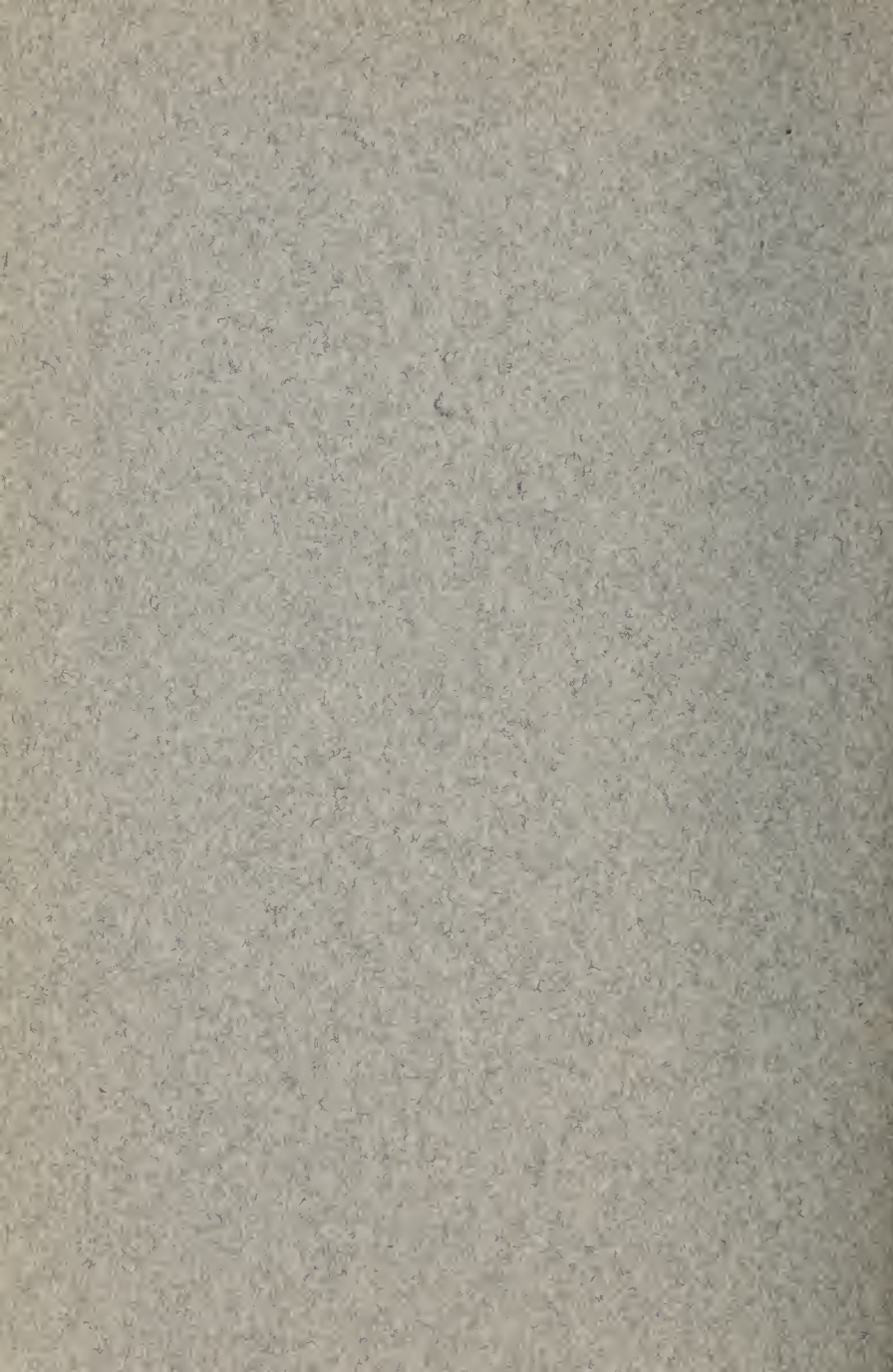


delphi

College



Catalog, 1901-1902

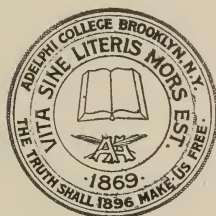




ADELPHI COLLEGE

CATALOG.

1902.



Lafayette Avenue, St. James Place and Clifton Place,
BROOKLYN, N. Y.

PUBLISHED FOR THE COLLEGE.

1902.

CALENDAR.

1902-1903.

- Commencement. Wednesday, June 18, 1902.
 Entrance Examinations by College Entrance Examination Board. Monday, June 16, to Saturday, June 21, 1902.
 Address: Sub-Station 84, New York City.
 Fall Term begins. Wednesday, September 17, 1902.
 Entrance Examinations at the College. September 17-19, 1902.
 Recitations begin Monday, September 22, 1902.
 Second Term begins. November 26, 1902.
 Third Term begins. February 4, 1903.
 Fourth Term begins. April 15, 1903.
 Commencement. Wednesday, June 17, 1903.

HOLIDAYS.

- Thanksgiving Day and the day after.
 Christmas Recess. Dec. 24, 1902, to Jan. 4, 1903, inclusive.
 (Exercises close at the end of the afternoon session, Tuesday, Dec. 23, 1902. Exercises resumed at 8.50 A. M., Monday, January 5, 1903.)
 Spring Recess. April 10, 1903, to April 19, 1903, inclusive.
 (Exercises close at the end of the afternoon session, Thursday, April 9, 1903. Exercises resumed at 8.50 A. M., Monday, April 20.)
 All legal holidays are observed.

OFFICE HOURS.

- The President, daily, on and after September 15, 9.15 to 10.30 A. M.
 The Library, session days, 8.30 A. M. to 4 P. M.
 The Gymnasium, session days, 9 A. M. to 5 P. M.; Saturdays, at the pleasure of the Director, 9 A. M. to 12 M.
 The Bursar, session days, on and after September 15, 9 A. M. to 12 M.; 2 P. M. to 4 P. M.
 For catalogs and other information address "The Registrar, Adelphi College, Brooklyn."

BOARD OF TRUSTEES.

Names, except that of the President, in order of seniority.

TIMOTHY L. WOODRUFF, <i>President</i>	94	Eighth Avenue.
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CHARLES H. LEVERMORE.....	30	St. James Place.
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WILLARD S. TUTTLE, <i>Secretary</i>	16	St. James Place.
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AUGUSTUS VAN WYCK.....	172	Hancock Street.
JOHN C. KELLEY.....	247	Hancock Street.
CLINTON L. ROSSITER, <i>Vice-President</i>	48	Montgomery Place.
MATTHEW HINMAN.	480	Vanderbilt Avenue.
HENRY U. PALMER.....	216	Clinton Avenue.
MARY E. BUTTERICK.....	406	Franklin Avenue.
JESSE JOHNSON.	308	Clinton Avenue.
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DAVID H. VALENTINE.....	188	Hancock Street.
BIRD S. COLER.....	244	Hancock Street.
EDMUND H. DRIGGS.....	322	E. 17th Street.
FREDERICK E. CRANE.....	854	Prospect Place.
WILLIAM A. JAMISON.....		Hotel Margaret.

OFFICERS AND COMMITTEES.

TIMOTHY L. WOODRUFF.....*President.*
CLINTON L. ROSSITER*Vice-President.*
HAYDEN W. WHEELER.....*Treasurer.*
WILLARD S. TUTTLE.....*Secretary.*

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Committee on Instruction: CHARLES W. HOMER, ROBERT D. BENEDICT, HAYDEN W. WHEELER, JOHN N. BEACH, ANNIE G. TRUSLOW.

Finance Committee: JEROME E. MORSE, JOHN C. KELLEY, HENRY U. PALMER.

Committee on Buildings and Grounds: HAYDEN W. WHEELER, JOHN A. TAYLOR, AMELIA B. HOLLENBACK, DAVID H. VALENTINE.

Art School Committee: MATTHEW HINMAN, MARY E. BUTTERICK, AMELIA B. HOLLENBACK, CHARLES H. LEVERMORE.

OFFICERS OF INSTRUCTION AND GOVERNMENT.

FACULTY.

(NAMES OF THE FACULTY, EXCEPT THAT OF THE PRESIDENT, STAND IN ORDER OF APPOINTMENT TO PROFESSORSHIPS OR ASSISTANT-PROFESSORSHIPS.)

CHARLES HERBERT LEVERMORE, B.A. (Yale, '79),
Ph.D. (Johns Hopkins, '86), President.

FREDERICK WEBSTER OSBORN, B.A., A.M. (Yale, '55, '58),
Professor of Psychology and Philosophy.

WILLIAM CLARK PECKHAM, B.A., A.M. (Amherst, '67, '70),
Professor of Physics.

JOHN BARNARD WHITTAKER, Professor of Painting and Drawing.

WILLIAM WALDEMAR SHARE, Ph.B., Ph.D. (Columbia, '81, '84),
Professor of Chemistry and Geology.

HENRY STOUT PETTIT, M.D. (L. I. College Hospital, '90),
Director of the Gymnasium and Professor of Physical Culture.

WILLIAM CRANSTON LAWTON, B.A. (Harvard, '73),
Professor of the Greek Language and Literature.

ELIZABETH VENABLE GAINES, B.A. (Adelphi, '98),
Professor of Biology.

VIOLETTE EUGENIE SCHARFF, B.A. (Adelphi, '00),
Professor of the French Language and Literature.

JOHN A. SANFORD, B.A. (Brown, '82), Ph.D., M.A. (Univ. of
Minn., '94, '96),
Professor of the Latin Language and Literature.

MAX FRIEDRICH BLAU, Ph.D. (Leipzig, '88),
Professor of the German Language and Literature.

JOSEPH BOWDEN, B.A., Ph.D. (Yale, '91, '97),
Professor of Mathematics.

HENRY GRANGER HANCHETT, M.D. (N. Y. Hom. Med. Coll., '84),
Professor of Theoretical Music and Director of the School of Musical Art.

HORACE HUMBOLDT HOWE, Ph.B. (Syracuse, '79),
M.A. (Stanford, '96),
Superintendent of Academic Department.

JOHN HYATT BREWER, Professor of Vocal Music.

ADELBERT GRANT FRADENBURGH, B.A. (Allegh. Coll., '90),
Ph.D. (Univ. Wis., '94),
Assistant Professor of History and Politics.

FACULTY—Continued.

LOUISE CHARVET,

Assistant Professor of the French Language and Literature.

WILLIAM ASHENHURST DUNN, B.A., M.A. (Princeton, '93, '94),
Ph.D. (Strassburg, '99),

Assistant Professor of the English Language and Literature.

(Died, Friday, October 18, 1901.)

REGINALD B. ALLEN, B.S., M.S. (Rutgers, '93, '97),

(On leave of absence, 1901-1902.) Assistant Professor of Mathematics.

FRAU ANNA M. REINER,

Assistant Professor of the German Language and Literature.

ELMER EDGAR STOLL, B.A., M.A. (Harvard, '94, '95),

Instructor in English and Acting Head of the Department.

ANNA E. HARVEY,

Director of Normal Course.

Instructors.

LOUISE BOTH-HENDRIKSEN, Instructor in the History of Art.

FREDA M. BRUNN (Teachers' College, '97), B.A. (Adelphi, '99),

Instructor in Psychology and Pedagogics.

FRANCES H. FLAGLER, Instructor in Physical Culture.

CAROLYN STANFORD KIBBE, Instructor in Music (Normal).

WILLIAM PHELPS MACFARLANE, Instructor in Elocution,

in Charge of the Department.

ROY B. MATTERN, B.S. (Penn. State Coll., '93),

Instructor in Mathematics.

NELLIE L. ROETHGEN, Assistant in the Department of Pedagogics.

SARAH ELIZABETH SCOTT, M.A. (Adelphi, '98),

Instructor in Pedagogics.

ALICE BLYTHE TUCKER, B.A., M.A. (Toronto, '96, '00),

Instructor in English.

ADALINE G. WYKES, Instructor in Drawing (Normal).

CHARLOTTE MORRILL. *Bursar.*MABEL FARR, *Librarian.*MAY M. HALL (A. A. '87). *Registrar.*

ADELPHI COLLEGE.

Adelphi College was incorporated by the unanimous vote of the Regents of the University of the State of New York, at Albany, Wednesday, June 24, 1896. The degrees issued by Adelphi bear the seals of both the University and the College, and are signed by the Chancellor and Secretary of the Board of Regents, as well as by the officers of the College.

Students who complete the required amount of work in either the Classical or the Literary Course, to the satisfaction of the Faculty, will receive the degree of Bachelor of Arts; in the Scientific Course they will, under similar conditions, receive the degree of Bachelor of Science. All courses in Adelphi College are open to women.

From fourteen to eighteen hours a week of class-room work, exclusive of laboratory hours and of time for physical culture, are required in each of the first two years. In each of the Junior and Senior years, twelve hours a week of class-room work are required. All choice of optional studies is subject to the approval of the Faculty. The students in the Scientific Course who wish to make a more technical study of the sciences than is outlined in the Conspectus can do so under the direction of the Faculty.

To students who intend to become teachers, the college courses offer especial advantages in the pedagogical options, which permit a student to present studies preparatory for teaching, as a part of the work leading to a degree. Students who complete satisfactorily these pedagogical studies and win the Bachelor's degree can gain admission directly to the City examinations for licenses to teach in the public schools.

All the work of the Adelphi Normal Course for kindergartners has also been included among the options offered during the last two years of the College Course.

TERMS OF ADMISSION.

The Entrance Examinations in June are those held by the College Entrance Examination Board, June 16-21, 1902. Applications for admission to these examinations should be filed with the Secretary of that Board on or before June 9. If, however, admission is desired to examinations held by the Board outside of New England, the Middle States, or Maryland, the application must be filed on or before June 2. Applications for examinations in Europe must be filed on or before May 19. For blank forms of application and for a complete list of places of examination, address (inclosng return postage) the

SECRETARY OF THE COLLEGE ENTRANCE EXAMINATION BOARD,
POST OFFICE SUB-STATION 84,
NEW YORK, N. Y.

Entrance Examinations in September will be held at the College on Wednesday, Thursday and Friday, Sept. 17-19, beginning at 9 A. M. Applications for admission to these examinations should be sent to THE REGISTRAR, Adelphi College, on or before Monday, September 15.

For applicants from well-known and reputable schools, certificates will ordinarily be accepted, so far as the studies pursued in such schools cover the entrance requirements of Adelphi College. All such certificates should be signed by the responsible instructors in the school last attended, and should state explicitly, under each subject of study, the text-books used, the extent of the work done, and the time devoted to it, with dates.

Special students of a mature age, not candidates for a degree, may be admitted to courses of study which they are competent to pursue, upon presentation of satisfactory evidence of proficiency.

Candidates for admission to advanced standing will be required to pass satisfactory examinations upon the work already accomplished by the class to which they wish to be assigned.

ORDER OF ENTRANCE EXAMINATIONS.

September 17, 18, 19, 1902.

FIRST DAY. WEDNESDAY.

Cæsar and Cicero.	9.00—10.30
English History.	10.30—12.00
Chemistry, Scientific Course.	10.30—12.00
Anabasis.	10.30—12.00
Vergil and Sight Reading.	1.00— 3.00
German.	3.00— 4.30

SECOND DAY. THURSDAY.

English.	9.00—10.30
Iliad and Sight Reading.	10.30—12.00
Physics, all Courses.	10.30—12.00
Algebra.	1.00— 3.00
United States History.	3.00— 4.30

THIRD DAY. FRIDAY.

Geometry.	9.00—11.00
Physiology.	11.00—12.00
Solid Geometry.	11.00—12.00
French.	1.00— 2.30
College Algebra and Plane Trigonometry.	2.30— 4.30
Ancient History.	2.30— 4.00

Applicants for admission to the Freshman Class in Adelphi College, in any one of the three courses, must be at least fifteen years of age and be able to pass satisfactory examinations in the specified number of the following subjects:

I. ENGLISH.

NOTE—No candidate will be accepted in English whose work is notably deficient in point of spelling, punctuation, idiom, or division into paragraphs.

The candidate may offer preparation in the uniform college entrance requirements in English, as follows:

1. *Reading.* The candidate will be required to present evidence of a general knowledge of the subject matter of the books here named and to answer simple questions concerning the lives of the authors. The form of the test will usually be the writing of paragraphs upon chosen topics.

In connection with these tests, the candidate may present an exercise-book, properly certified by an instructor, containing compositions or other written work done in connection with the reading of the books. The books set for this part of the examination are:

1902: *Ivanhoe*; *Pope's Iliad*, Books I, VI, XXII, and XXIV; *De Coverley Papers*; *The Vicar of Wakefield*; *The Last of the Mohicans*; *The Princess*; *The Ancient Mariner*; *Silas Marner*; *The Merchant of Venice*; *The Vision of Sir Launfal*.

1903, 1904, 1905: The same books as in the foregoing list for 1902, with the addition of *Shakespeare's Julius Cæsar* and *Carlyle's Essay on Burns*, and with the omission of *Pope's Iliad* and *The Last of the Mohicans*.

2. This part of the examination presupposes a more careful study of each of the works named below. The examination will be upon subject matter, form, and structure.

1902, 1903, 1904, 1905: Macbeth; Burke's Speech on Conciliation with America; Macaulay's Essays on Milton and Addison; Milton's Minor Poems (Comus, Lycidas, L'Allegro, Il Penseroso).

2. FRENCH.

a. Minimum requirement. A knowledge of fundamental principles of grammar; as, rules for the formation of the plural and of the feminine in nouns and adjectives, the use of the articles, the place of the pronouns, and the regular and irregular verbs. Reading of two French books, as "Colomba," by Merimée; "L'Abbé Constantin," by Halévy; and of two plays arranged by Bôcher, such as "Mademoiselle de la Seiglière," by J. Sandeau; and "Le roman d'un jeune homme pauvre," by Feuillet. Equivalents may be offered.

b. Maximum requirement. A thorough knowledge of French grammar; use of the tenses, rules for the subjunctive and for the past participle, government of verbs, formation of adverbs, French idioms.

Reading: "Le Pêcheur d'Islande," Loti; "La Mare au Diable," G. Sand; "La Belle Nivernaise," Daudet; "La Tulipe Noire," Dumas; "Histoire de France," Ducoudray; "Quatre-vingt-treize," V. Hugo. Composition, based upon the books read. Ability to take part in recitations conducted in French. Equivalents may be offered.

3. GERMAN.

a. Minimum requirement. The rudiments of Grammar (Joynes-Meissner; Thomas), including irregular verbs, elementary rules of syntax, and word order. Translation at sight of German into English and English into German.

Reading: Brandt's Reader; Bernhardt, Novelletten; Storm, Immensee; or Riehl, Der Fluch der Schönheit. Equivalents may be offered.

b. Maximum requirement. An accurate knowledge of the principles of grammar, embracing inflections and syntax, the composition of words, the force of prefixes and suffixes, and the relation of the English and German consonantal changes. Sight translation. Ability to take part in recitations conducted in German. Reading of the following books: Lessing, Minna von Barnhelm; Schiller, Wilhelm Tell; Freytag, Aus dem Staat Friedrichs des Grossen; Goethe, Hermann und Dorothea. Composition based on the books read, or Harris's Prose Composition. Equivalents may be offered.

4. GREEK.

Xenophon's Anabasis, 4 books; Homer's Iliad, 3 books; sight reading; Woodruff's Prose Composition.

5. LATIN.

Cæsar, 4 books or its equivalent; Cicero, 7 orations,—the oration on the Manilian Law to count as two; Vergil, *Æneid*, 6 books. Prose composition based upon Cæsar and Cicero. Sight reading.

6. HISTORY.

- a. Ancient History to the fall of the Roman Empire in the West.
- b. United States History.
- c. English History.

7. MATHEMATICS.

- a. Algebra, through Quadratics and Progressions; Plane Geometry.
- b. Advanced Algebra, or Solid Geometry.

8. SCIENCE.

- a. Physiology, including Elementary Biological Study.
- b. Elementary Chemistry, metals and non-metals.
- c. Elementary Physics; introductory course, may be covered in four weekly exercises for one semester with laboratory practice.
- d. Elementary Physics, at least one year's study, five hours weekly, with laboratory practice.

Of these subjects, here numbered from 1 to 8, all candidates must be prepared to pass satisfactory examinations in the following:

English, 1; and Mathematics, 7, *a*, Algebra and Plane Geometry.

In addition, candidates for admission to the Classical Course must be prepared in the following subjects: Ancient History, 6, *a*; Latin, 5; Greek, 4; and either French or German, minimum requirements, 2, *a*, or 3, *a*.

For the Literary Course, the following are the additional subjects required: Ancient History, United States History, and English History, any two of the three subjects may be offered, 6, *a*, *b*, *c*; Science, Physiology, 8, *a*, and Elementary Physics, briefer course, 8, *c*; Languages, any two of the following: French, maximum requirement, 2, *b*; German, maximum requirement, 3, *b*; Latin, 5.

For the Scientific Course, the additional requirements are: United States History, 6, *b*; Science, Chemistry, 8, *b*, and Physics, 8, *d*; Mathematics, Advanced Algebra, or Solid Geometry, 7, *b*; Languages, any one of the following: Latin, 5; French, maximum requirement, 2, *b*; German, maximum requirement, 3, *b*.

COURSES OF STUDY.

Department of the English Language and Literature.

1. STUDY of representative masterpieces with practice in composition. Freshman year, Literary and Classical Courses; Sophomore year, Scientific Course; first semester, three hours a week. Mr. STOLL.

2. SHAKESPEARE. Freshman year, Literary and Classical Courses; Sophomore year, Scientific Course; second semester, three hours a week. Mr. STOLL.

3. SHAKESPEARE, AND LATER ENGLISH DRAMA. Sophomore year, Literary and Classical Courses; first semester, four hours a week. Mr. STOLL.

4. LITERATURE FROM MILTON TO KEATS. Junior year, Literary and Classical Courses; three hours a week. Miss TUCKER.

5. VICTORIAN LITERATURE. Senior year, Literary and Classical Courses; three hours a week. Mr. STOLL.

9. ANGLO-SAXON AND EARLY ENGLISH. A survey of early English Literature; Anglo-Saxon Grammar; Selected Readings; *Béowulf*. Junior and Senior years, alternating with Course 10; two hours a week.

10. MIDDLE ENGLISH. Lectures on the chief writers of the period and the development of the language; study of selected poems; Langland; Chaucer. Junior and Senior years, alternating with Course 9; two hours a week.

The work in elocution, required of all students during the Freshman and Sophomore years, is closely correlated with the work of the Department of English during those years.

Department of the French Language and Literature.

15. SEVENTEENTH CENTURY FRENCH LITERATURE. Lectures: Spanish and Italian influences; rise of the French Drama; development of the French Tragedy; Comedy in France; influence of the Church. Readings from the Works of Corneille, Racine, Molière. Freshman year, Literary Course, four hours a week. Prof. SCHARFF.

16. LITERATURE OF THE NINETEENTH CENTURY. Lectures: The Revolution and Empire; the religious renaissance; German and Italian influences; Romanticists and Classicists. Readings from the works of George Sand, A. de Vigny, Chateaubriand, A. de Musset, Le Sage, Victor Hugo, Dumas, Taine. Sophomore year, Literary Course, four hours a week. Asst. Prof. CHARVET.

17. LITERATURE OF THE EIGHTEENTH CENTURY. Comparative study of the literature of the Seventeenth, Eighteenth, and Nineteenth Centuries. Lectures: English influence; Voltaire's destructive and constructive work; the Encyclopædists; Rousseau's influence and theories of education; diffusion of the philosophical spirit. Collateral readings. Junior year, Classical and Literary Courses, three hours a week. Prof. SCHARFF.

18. ORIGINS OF FRENCH LITERATURE. Lectures: General View of the Sixteenth Century; comparison of the French and Italian Renaissance; the period of the Reformation; French Language in the Sixteenth Century. Readings from contemporary literature: Balzac, Guizot, Daudet, Loti. Senior year, Classical and Literary Courses, three hours a week. Prof. SCHARFF.

Students who wish to begin French after entering College will be assigned to classes in the usual introductory work.

Department of the German Language and Literature.

20. SCHILLER AND GOETHE: Ballads. Dramas (Jungfrau von Orleans, Iphigenie). Prose works (Geschichte des dreissigjährigen Krieges. Dichtung und Wahrheit). Prose composition. Essays. Freshman year, four hours a week. Prof. BLAU.

21. GERMAN LITERATURE OF THE EIGHTEENTH CENTURY AND ITS HISTORY. (Emilia Galotti, Egmont, Tasso, Wallenstein, Laokoon.) Lectures. Prose Composition. Essays. Sophomore year, four hours a week. Prof. BLAU.

22. GERMAN LITERATURE OF THE NINETEENTH CENTURY AND ITS HISTORY. Lectures (in German). Collateral reading of selected works of Kleist, Uhland, Grillparzer, Heine, Immermann, Hebbel, Ludwig, Freytag, Scheffel, Keller, and others. Essays. Junior year, three hours a week. Prof. BLAU.

23. SENIOR STUDIES. *a.* Lessing's Nathan, Goethe's Faust. Lectures in German. Prose Composition. Essays. First half year.

b. Elements of Middle High German. (Wright's Primer, Paul's Grammar; Bartsch: Nibelungenlied). Lectures in German. Essays. Prose Composition. Second half year.

Senior year, three hours a week. Prof. BLAU.

Students who wish to begin German after entering College will be assigned to classes in the usual introductory work.

Department of the Greek Language and Literature.

25. ATTIC PROSE AUTHORS—SELECTIONS. References: Dyer's Apology and Crito; Morgan's Lysias. Freshman year, first semester, four hours a week. Prof. LAWTON.

26. HOMER. Later books of Iliad, selections, or Odyssey, V—VIII. References: Perrin's Odyssey, V—VIII; Lawton's Art and Humanity in Homer. Freshman year, second semester, four hours a week. Prof. LAWTON.

27. DRAMA. One play each of Æschylus, Sophocles, Euripides, Aristophanes. Lectures. Sophomore year, four hours a week. Prof. LAWTON.

28. ATTIC PROSE. Thucydides, Plato, Demosthenes, selections. References: Morris' Thucydides, I; Towle's Protagoras; Tarbell's Demosthenes. Junior year, three hours a week. Prof. LAWTON.

29. GENERAL HISTORY OF GREEK LITERATURE, with readings from the less familiar authors. References: Jevons' History of Greek Literature, or Jebb's Spirit of Greek Literature. Senior year, three hours a week. Prof. LAWTON.

Department of the Latin Language and Literature.

30. LIVY. Books XXI and XXII, selections, with Latin Prose based thereon. Freshman year, Classical and Literary Courses; first semester, four hours a week. Prof. SANFORD.

31. HORACE. Selected epodes and odes. Autobiographical extracts from the satires and epistles, Lectures on Augustan age and Horace's life. References: Sellar's Roman Poets of the Augustan age, Martin's Horace. Shorey's Horace. Freshman year, Classical and Literary Courses: second semester, four hours a week. Prof. SANFORD.

32. EARLY LATIN. Catullus and Lucretius, selections. Plautus: Captivi, Trinummus, Miles Gloriosus; Terence: Andria. References: Sellar's Latin Poets of the Republic, Merrill's Catullus, Kelsey's Lucretius. Sophomore year, Classical and Literary Courses, four hours a week. Prof. SANFORD.

33. SILVER LATIN. Juvenal, Pliny, Quintilian, Martial, Tacitus, selections. Junior year, Classical and Literary Courses, three hours a week. Prof. SANFORD.

34. LECTURES ON THE LIFE OF THE LATIN LANGUAGE AND LITERATURE, with readings from less familiar authors and fragments of lost works. References: Cruttwell's or Tyrrell's Latin Literature, Merry's Selections from Latin Poets. Senior year, Classical and Literary Courses, three hours a week. Prof. SANFORD.

35. MODERN ITALIAN. Classes to acquire a practical knowledge of this language or to study its literature can be formed as optional classes in place of any of the other modern languages in any year of the College course, or in place of the Latin of either one of the last two years. Such a class should consist of at least five students, and the choice of such an option must, as is usual in such cases, receive the approval of the Faculty.

Department of the Spanish Language and Literature.

36. **ELEMENTARY SPANISH.** Grammar and its component parts: reading and writing; Mental Translation and immediate transposition of oral English; dictations into Spanish and vice versa; conversation among pupils; examinations of classes by pupils; easy compositions in Spanish, and the reading of such works as: *La España Píntoresca*, by Emilia Pardo Bazán, and *El Capitán Veneno*, by Pedro Antonio de Alarcón. Four hours per week.

37. **SPANISH LITERATURE (2D YEAR COURSE).** Grammatical reviews; correspondence among pupils; debates and discussions upon given or chosen subjects by pupils; examinations of classes by pupils. History of the Spanish Language. Oral sketches of Spanish history and its influence upon Europe and America. Translations from English into Spanish and vice versa, and reading of such works as: *Pepita Jiménez* by Juan Valera, and *La Campaña de Huesca* by Antonio Cánovas del Castillo. Four hours per week.

38. **SPECIAL BUSINESS COURSE**, which may be taken instead of Course No. 37. Study of all Technical Terms; forms and manner of transacting business with Spanish countries; industrial and commercial nomenclature; business correspondence and business verbal transactions, with use of forms of book-keeping, English and Spanish abbreviations. Study of rates of exchange of gold, silver and copper coins of all Spanish speaking countries. Spanish idioms and colloquialisms, especially such as are in use in Spanish America. Four hours per week.

Department of History and Politics.

40. **MEDIEVAL HISTORY.** The origin and development of feudal society and institutions, the political history of Central and Southern Europe to the close of the Thirty Years' War. References: Adams's *Civilization in the Middle Ages*, Duruy's *History of the Middle Ages*, Emerton's *Introduction to the Middle Ages and Mediæval Europe*, "Epochs of Modern History" Series. Freshman year, all courses; first semester, four hours a week. Dr. FRADENBURGH.

41. **HISTORY OF THE RENAISSANCE.** A study of the social, religious, and political issues in the age of the Renaissance, the fifteenth and sixteenth centuries. References: Bryce's *Holy Roman Empire*, Milman's *Latin Christianity*, Spaulding's *History of the Protestant Reformation*, Haeusser's *Period of the Reformation*. Freshman year, all courses; second semester, four hours a week. Dr. FRADENBURGH.

42. **ENGLISH HISTORY.** A study of political and social progress. References: Green's *Shorter History of the English People*, Macaulay's

History, Lecky's *England in the Eighteenth Century*, McCarthy's *History of Our Own Time*. Sophomore year, all courses; first semester, three hours a week. Dr. FRADENBURGH.

43. HISTORY OF FRANCE, from the age of Richelieu to the French Revolution. The Ancient Régime and its successor. References: S. R. Gardiner's *Thirty Years' War*, Duruy's *History of France*, Airy's *The English Restoration and Louis XIV*, Morris' *The Age of Anne*, Morris' *The French Revolution and First Empire*, Taine's *Ancient Régime and Modern Régime*, Kitchin's *History of France*. Sophomore year, all courses; second semester, three hours a week. Dr. FRADENBURGH.

44. AMERICAN HISTORY. A topical study of American History, with a comparison of political systems. References: Fiske's *Beginnings of New England*, and *Critical Period of American History*, Schouler's *History*, and Wilson's *The State*, Hart's *Epoch Series*, and Scribner's *American History Series*. Senior year, all courses; second semester, three hours a week. ————.

45. HISTORY OF THE NINETEENTH CENTURY. Topical studies in modern history. The age of the establishment of parliamentary government and of racial consolidation. References: *The International Statesmen Series*, Seignobos' *Political History of Europe since 1814*; Muller's *Political History of Recent Times*, Andrews' *Historical Development of Modern Europe*. Senior year, first semester, all courses; three hours a week. ————.

46. SOCIAL HISTORY. The origin and growth of society as disclosed in the development of the family and of civil and religious institutions. Text-books: Tylor's *Anthropology* and Morris' *Aryan Race*, with readings from Lubbock, Tylor, and Giddings. Junior year, all courses; second semester, three hours a week. Dr. FRADENBURGH.

47. HISTORY OF ART. An examination into the rise and progress of Ancient and Classic Art and the evolution of the Fine Arts in modern times, illustrated by pictures, lantern slides, and collateral readings. Text-book: D'Anvers' "History of Art." References: Vasari's "Lives of the Painters"; Ruskin's "Modern Painters" and "Stones of Venice," with other works of reference and periodicals in the Library. Sophomore year, Classical and Literary Courses; second semester, four hours a week. Miss BOTH-HENDRIKSEN.

(a) *History of Painting* (twice a week).—Egyptian, Assyrian, Greek, Roman and Byzantine.

Italian Art.—Early renaissance, development and golden age.

Venetian Art.—Its growth, truth and splendor.

Art in Flanders and in Holland.—Likeness and difference.

Art in France.—Peculiar influences and steady development. The four great periods.

Art in Spain.—Mysticism and Realism.

Art in Germany.—Causes of uneven development. Early period; late period.

Art in England.—Reasons for its late development. Tendency to social satire, portraiture and landscape.

(b) *History of Architecture and Sculpture* (twice a week).—Egyptian and Assyrian temples, tombs and palaces. Greek temples, orders and carving. Periods of Phidias, Praxiteles and Alexander. Roman architecture: Early Christian, Byzantine and Romanesque styles. Gothic style and sculpture: Pointed arch superseding the round arch. Decadence: Renaissance architecture and sculpture.

48. THEORY OF ART AND SPECIAL STUDY OF NINETEENTH CENTURY ARTISTS. Beauty in Art. Unity, its application to expression. Principles of Construction: The lintel, column, arch. Art in house-building. Application of Ornament. Etching, Engraving, Lithography, Perspective, Composition. The Human Form in Art. Art in Costume. Chiaroscuro, tone, color, value, touch. Kinds of pictures: Still life, genre, portrait, landscape, marine, devotional, historical. Critical study of contemporary artists of different nations. Junior year, Literary Course, lectures once a week. Miss BOTH-HENDRIKSEN.

49. SOCIOLOGY. A study of social institutions with special reference to American conditions. Social problems and proposed solutions. Among the subjects discussed are: Immigration, Problems of City Life, Employment of Women and Children, Factory Legislation, Defective and Delinquent Classes, Socialism. References: Ward's Outlines of Sociology, Fairbank's Introduction to Sociology, Wright's Practical Sociology, Blackmar's History and Sociology, Spencer's Principles of Sociology, Giddings' Elements of Sociology, Smith's Statistics and Sociology. Junior year, all courses, two hours a week. ——— ———

Department of Economics.

50. OUTLINES OF ECONOMICS. A general introduction to the study of Economics with the design to familiarize the student with the fundamental principles of the subject. These are examined and illustrated by reference to past and present industrial life in England and the United States. Text-book: Bullock's Introduction to the Study of Economics, supplemented by collateral reading. Recitations, discussions, lectures. Junior year, all courses; first semester, three hours a week. Dr. FRADENBURGH.

51. PRACTICAL ECONOMICS. This course deals principally with problems of distribution. The leading topics are: The evolution of labor and

capital; wages; labor organization, arbitration and conciliation; profit-sharing; co-operation; factory and other labor legislation; the social surplus; municipal economics; socialism. Lectures, assigned readings, papers, discussions. Senior year, all courses; second semester, three hours a week; open to students who have taken course 50. ————.

52. **ECONOMIC HISTORY.** A study of the evolution of industrial life, principally in England and in the United States, with references for sake of comparison to contemporary conditions on the continent of Europe. Lectures, readings, reports. References: Cunningham's *Growth of English Industry and Commerce*. Gibbins' *History of Commerce in Europe*. Toynbee's *The Industrial Revolution*. Ashley's *Introduction to English Economic History and Theory*. Senior year, all courses; first semester, three hours a week. ————.

Department of Philosophy.

55. **LOGIC.** The structure of the syllogism and its use in argumentative discourse are illustrated by a variety of practical exercises taken from Jevons' *Studies* and from other sources. Text-book: Jevons' *Lessons*, supplemented by Creighton's *Logic*. Junior year, all courses; one-half of first semester, three hours a week. Prof. OSBORN.

56. **PSYCHOLOGY.** Mental processes are analyzed with a view to ascertaining their nature and functions and the laws which govern them. Both the experimental and physiological methods are employed as an aid to introspection. Text-book: James' *Briefer Course*, supplemented by references to Sully, Titchener, and Stout's *Manual*. Junior year, all courses; one-half of first semester and second semester, three hours a week. The course is open only to those who have had Sophomore work in Physiology or its equivalent. Prof. OSBORN.

57. **HISTORY OF PHILOSOPHY.** A general survey of philosophical thought in ancient and modern times. Passages from the works of representative thinkers are selected for special study. References are made to Erdmann's, Falckenberg's, and Lewes' *Histories of Philosophy*, and to various monographs, as well as to the original sources. Senior year, Classical and Literary Courses; first semester, three hours a week; open only to those who have taken course 56 or its equivalent. Prof. OSBORN.

58. **ETHICS.** The more important theories will be discussed, as well as their application to a philosophy of conduct. The method of study will include the discussion of papers upon assigned topics. Text-books: Seth's *Principles* and Mackenzie's *Manual of Ethics*. References: Sidgwick's *Method of Ethics*, Bowne's *Principles*, Watson's *Hedonistic Theories*, and Sidgwick's *History of Ethics*. Senior year, Classical and Literary Courses; second semester, three hours a week. Prof. OSBORN.

59. **ELEMENTARY PSYCHOLOGY.** Introduction to the study of psychology. Text-book: Hallock. First year Normal and Freshman year, Classical and Literary Courses; three hours a week. Miss BRUNN.

60. **PSYCHOLOGY FOR KINDERGARTNERS.** A course of fifteen lectures on Child Study, with selected readings. References: Rowe's Physical Nature of the Child, Oppenheim's Development of the Child, Preyer's Infant Mind, Sully's Studies in Childhood. The applications of Psychology to Teaching, especially in the Primary Grades. Text-book: Dexter and Garlick's Psychology in the School Room. Frequent exercises requiring the application of educational principles will be required. Open only to those who have taken 56 or 59. Second year Normal, three hours a week. Senior College option, the course in Child Study only. Prof. OSBORN.

Department of Pedagogics.

61. **PRACTICE AND OBSERVATION WORK** to accompany Courses Nos. 63 and 66. Senior year and second year Normal.

62. **HISTORY OF EDUCATION.** The aim of this course is to trace the development of educational systems in connection with the general development of civilization. A study of the Greek and Roman schools is followed by a sketch of the early Christian schools, the influence of Charlemagne and Alfred, the development of modern languages and literatures. A study of the Renaissance leads to the consideration of the new ideals in education and the history of reformers. This course includes a study of

Compayré's History of Pedagogy, Quick's Educational Reformers, Davidson's Education of the Greek People, Laurie's Life of Comenius, Laurie's Rise of the Universities, De Guimp's Life and Work of Pestalozzi, Pestalozzi's Leonard and Gertrude, Rousseau's Emile, Herbart's Science of Education.

First year Normal, and Junior College, first semester, twice a week. Miss ROETHGEN.

63. **THEORY OF EDUCATION.** Lectures, essays, required readings and discussions.

Application to teaching of the principles developed in the courses in psychology and the history of education. This course aims to show that education is a *science* in that it is based on mental and physical laws and an *art* in that these laws are practically applied in teaching and training.

The following are used as texts and books of reference: Rosenkranz's Philosophy of Education, James's Talks to Teachers on Psychology, Butler's Meaning of Education, Münsterberg's Psychology and Life, Harris's Psychologic Foundations of Education, Sully's Teacher's Hand-book of Psychology, Spencer's Education. Junior College, second semester, two hours weekly; Tuesdays and Thursdays at 3.30 P. M. Miss SCOTT.

64. **KINDERGARTEN PRINCIPLES.** Discussions, readings, and essays. The purpose of this course is to show Froebel's conception of education through a study of his works and the practical application of his theory to education in the kindergarten; study of the gifts, games, occupations and stories, with reference to their adaptation to child-nature and its development. The following are used as texts and books of reference: Froebel's Education of Man, Pedagogics of the Kindergarten, and Mother Play; Sully's Studies of Childhood, Rowe's Physical Nature of the Child, Blow's Symbolic Education, Preyer's Mental Development, Perez's First Three Years of Childhood, Compayré's Intellectual and Moral Development of the Child. Senior Normal class, first semester, two hours weekly. Tuesdays and Thursdays at 3.30 P. M. Miss SCOTT.

65. **GIFTS AND OCCUPATIONS.** Practical application, lectures, essays and discussions.

Study of their educational value and their place in Froebel's system. First year Normal and Junior College, two (four) hours a week; second year Normal and Senior College, three hours a week. Miss HARVEY.

66. **METHODOLOGY.** This course will include a theoretical course to determine the fundamental principles involved in the process of teaching, and also the application of these principles to the teaching of the various subjects embraced in the course of study in elementary and secondary schools. References: De Garmo's Herbart, Lange's Apperception, Harris' Psychological Foundations of Education, McMurry's Method of the Recitation, Tompkins' Philosophy of Teaching. Senior year, three hours a week. Prof. OSBORN, Miss BRUNN, and Miss ROETHGEN.

67. **FROEBEL'S PHILOSOPHY** in "The Mother Play." Second year Normal and Senior College, second semester, twice a week. Miss HARVEY.

68. **STORIES AND GAMES AND PROGRAM-PLANS.** Preparation and discussion of Programs.

Stories. Practice in telling and writing kindergarten stories. Classification of the same for practical purposes; as, fairy tales, historic stories, nature stories, etc.

Games. Practical playing of kindergarten games. Educational value of traditional and other games as systematized by Froebel.

First year Normal and Junior College, two hours a week; second year Normal and Senior College, three hours a week. Miss HARVEY.

69. **MUSIC AND DRAWING:** *Music.*—Voice culture, sight reading and transposing. Playing and singing of kindergarten songs and marches. Expressive use of voice and piano. Miss KIBBE.

Drawing.—Freehand and blackboard drawing, water color, perspective and design sketching from nature and objects. Miss WYKES.

First year Normal and Junior College, two hours a week; second year Normal and Senior College, two hours a week.

70. Application of Froebelian principles to intermediate, or connecting class work. For graduates of kindergarten training courses and primary school teachers. References: Froebel's Education of Man, Education by Self-Activity, Education by Development, and Pedagogics of the Kindergarten; Adler's Moral Instruction of Children; Harrison's Study of Child Nature; Blow's Symbolic Education; Hughes' Froebel's Educational Laws. One hour weekly. Miss ROETHGEN.

71. A series of Lectures and Conferences upon the application of educational principles to Bible teaching. Open to Seniors, graduates of the Academy and College, and to those interested in Sunday School teaching. One hour a week for thirty weeks, beginning in October. Prof. OSBORN.

Department of Chemistry.

74. ELEMENTARY CHEMISTRY. (a) *Chemistry of the non-metals*: Classification; theory of chemical nomenclature; problems; laboratory manipulations. Text-book: Remsen's Chemistry. References: Roscoe and Schorlemmer's Chemistry. (b) *Chemistry of the metals*: Periodic law; methods of reduction; compounds. Text-book and references same as course (a). Freshman year, Classical and Literary Courses, three hours a week; laboratory, two hours a week. Prof. SHARE.

75. QUALITATIVE ANALYSIS. Tests for bases and acids; analysis of simple salts; analysis of complex mixtures and commercial products. Text-book: Prescott and Johnson's Qualitative Analysis. References: Fresenius' Qualitative Analysis, Elliott's Qualitative Analysis, Wells' Tables. Freshman year, Scientific Course, five hours a week; laboratory, three hours a week. Prof. SHARE.

76. QUANTITATIVE ANALYSIS. Preliminary course on known substances of definite composition; practice in methods. General course on ores and commercial products; assays of gold, silver, and lead ores: volumetric and electrolytic methods of analysis. Text-books: Cairns' Quantitative Analysis. References: Fresenius' Quantitative Analysis, Blair's Analysis of Iron Ores, Crookes' Select Methods, Sutton's Volumetric Analysis, Rickett's Notes on Assaying. Sophomore year, Scientific Course, five hours a week; laboratory, three hours a week. Prof. SHARE.

77. ORGANIC CHEMISTRY. Methane derivatives; benzene derivatives; organic analysis; laboratory practice in the preparation of organic substances. Text-book: Remsen's Organic Chemistry. References: Bernth-

sen's Organic Chemistry, Prescott's Organic Analysis, Blyth's Analysis of Foods, Wanklyn's Water Analysis. Junior year, Scientific Course, six hours a week; laboratory, four hours a week. ——— ———

78. TECHNICAL OR APPLIED CHEMISTRY. Processes for the manufacture of commercial products; advanced methods of quantitative analysis; food analysis. References: Wagner's Chemical Technology, Watts' Dictionary of Chemistry, Thorpe's Dictionary of Chemistry, Sadtler's Industrial Organic Chemistry, Blyth's Analysis of Foods. Senior year, Scientific Course, seven hours a week, lectures and laboratory. ——— ———

Department of Mineralogy and Geology.

80. MINERALOGY AND BLOWPIPING. (a) *Crystallography*: Study of crystal models and natural crystals. First semester, first term, three hours a week. (b) *Blowpipe analysis*: Use of the blowpipe; analysis of prepared mixtures. First semester, second term, three hours a week. (c) *Mineralogy*: Physical and chemical characteristics of common minerals; determination of minerals; second semester, three hours a week. Text-book: Moses' Mineralogy and Blowpiping. References: Plattner's Blowpipe Analysis, Williams' Crystallography, Dana's Mineralogy, Brush's Determinative Mineralogy. Senior year, Scientific Course, three hours a week, as above; laboratory, two hours a week. Prof. SHARE.

81. GEOLOGY. General course; dynamic, structural, and historical. Text-book: Le Conte's Geology. References: Dana's Geology, Geikie's Geology, Winchell's Geologies. Senior year, all courses; first semester, three hours a week. Prof. SHARE.

82. METALLURGY. Treatment of ores by furnace, wet, and electrolytic methods. References: Bloxam's Metals, Phillips' Metallurgy, Turner's Metallurgies. Senior year, Scientific Course; first semester, three hours a week. ——— ———

83. ECONOMIC GEOLOGY. Distribution and utilization of ore deposits, building stone, etc. Text-book: Kemp's Ore Deposits of the U. S. Senior year, Scientific Course; second semester, three hours a week. ——— ———

Department of Physics.

85. GENERAL COURSE. Properties of solids, liquids and gases, and the study of sound, heat, light, and electricity; with text-book and lectures. Laboratory course accompanying and supplementing these. Reference books: Deschanel's, Ganot's and Barker's Physics, Sabine's Laboratory Course, Zahm's Sound and Music. Junior year, Classical and Literary Courses, three hours a week. Prof. PECKHAM.

86. (a) MECHANICS. Reference books: Deschanel, Vol. I; Wood's Mechanics, Sabine's Laboratory Course, with supplementary exercises, and lectures upon methods of experimenting. (b) METEOROLOGY. Text-book: Waldo. Reference: Davies. Laboratory work in taking and reducing observations and in forecasting weather. Sophomore year, Scientific Course, five hours a week. Prof. PECKHAM.

87. (a) HEAT AND THE STEAM ENGINE. Reference books: Deschanel, Stewart, Kinealy. Junior year, first semester. Scientific Course, six hours a week. (b) ELECTRICITY. Theory and Measurements. Reference books: S. P. Thomson, Stewart and Gee, Nichols. Junior year, second semester, Scientific Course, six hours a week. Prof. PECKHAM.

88. TECHNICAL ELECTRICITY. The dynamo, its structure and various forms. Motors, systems of lighting and transmission of power. Reference books: Hawkins and Wallis's The Dynamo; Crocker's Electric Lighting. Senior year, Scientific Course, seven hours a week. ——— ———

89. ASTRONOMY. Descriptive, physical and historical, by recitations and lectures, with study of constellations, and laboratory work on spectrum of sun. Reference books: Todd's New Astronomy, Clerke's History of Astronomy in the Nineteenth Century. Senior year, all courses; second semester, three hours a week. Prof. PECKHAM.

Department of Biology.

90. GENERAL BIOLOGY. The study of living matter and of its relations to lifeless matter. Protoplasm—The Cell. Comparative study of animals and plants by means of a number of selected types, such as *Amœba*, *Paramœcium*, *Hydra*, the earth worm, *Protococcus*, bacteria, yeast, *Nitella*, the fern. References: Sedgwick and Wilson's General Biology, Parker's Elementary Biology, Huxley, and Martin. Junior year, Scientific Course, three hours a week, with laboratory throughout the year. Prof. GAINES.

91. COMPARATIVE ANATOMY AND ADVANCED PHYSIOLOGY. Dissection of Vertebrates. Comparative study of various organs. Embryology of the Chick. Careful study of the microscopic structure and mode of working of the tissues of the human body. Special attention given to the problems of metabolism, and to the development and physiology of the nervous system and its terminal organs. Reference: Foster's Physiology. Martin's Human Body. Sophomore year, Classical and Literary Courses, three hours a week, with laboratory practice. Prof. GAINES.

92. **THEORETICAL BIOLOGY.** The history of Biological Discovery. The examination of philosophical problems of Biology: such as heredity, variations, animal metamorphoses, the origin of the individual, instinct and intelligence. Readings and discussions of Darwin, Spencer, Romanes, Weismann and similar authorities. Senior year, three hours a week. Prof. GAINES.

93. **SANITARY BIOLOGY.** Sanitation of the home: its situation, ventilation, heating, plumbing, and drainage. Study of the physiological and chemical principles of water and foods. Food analysis: adulterations and dietaries. Elective in the Senior year, three hours a week. Prof. GAINES.

94. **GENERAL BACTERIOLOGY.** Elective in the Senior year, three hours a week. ——— ———

Department of Mathematics.

100. **ALGEBRA.** The binomial theorem, logarithms, permutations, combinations, chance, continued fractions, series, undetermined coefficients, elementary theory of equations, solution of numerical equations, and the elementary theory of determinants. Text-book: Fisher and Schwatt. Freshman year, Scientific Course (required); Sophomore year, Classical and Literary Courses (elective); second semester, four hours a week. Asst. Prof. ALLEN.

101. **SOLID GEOMETRY.** The usual demonstrative work, with numerical applications of the formulas derived. Text-book: Phillips and Fisher. Freshman year, Classical and Literary Courses (elective); first semester, four hours a week. Prof. BOWDEN.

102. **PLANE TRIGONOMETRY.** Geometrical and analytical derivation of formulas; solution of triangles with use of logarithms; applications to measurement of heights and distances and to surveying. Text-book: Wells. Freshman year, Classical and Literary Courses (elective); second semester, ten weeks, four hours a week. Prof. BOWDEN.

103. **SPHERICAL TRIGONOMETRY.** Derivation of formulas and solution of spherical triangles; applications to astronomy and navigation. Text-book: Wells. Freshman year, Classical and Literary Courses (elective); second semester, eight weeks, four hours a week. Prof. BOWDEN.

104. **ANALYTIC GEOMETRY.** The equations of the straight line, circle, parabola, ellipse, hyperbola, and a few of the simpler higher plane curves, with an introduction to Solid Analytic Geometry. Text-book: Tanner and Allen. Freshman year, Scientific Course (required); Sophomore year, Classical and Literary Courses (elective); first semester, four hours a week. Prof. BOWDEN.

105. THE DIFFERENTIAL AND INTEGRAL CALCULUS. Simple and successive differentiation of functions, expansion of functions in series, evaluation of indeterminate forms, curve tracing, evaluation of maxima and minima, calculation of areas and volumes of solids of revolution, solution of simple differential equations. Text-book: Osborne, supplemented by lectures on the theory of functions. Junior year, Scientific Course (elective), three hours a week. Prof. BOWDEN.

106. DESCRIPTIVE GEOMETRY. Orthographic projection of points, lines and surfaces, the intersection of lines and surfaces, spherical projections, shades and shadows, linear perspective, isometric projections. Text-book: Church. Sophomore year, Scientific Course, first semester, four hours a week. Asst. Prof. ALLEN.

107. MECHANICAL DRAWING. Freehand drawing, construction of problems in Geometry, orthographic and isometric projections, plans, sections, and elevations of machines and architectural parts, blue prints, lettering, plotting of surveys, topographical sketches, coloring and shading; development of problems involving the principles of Descriptive Geometry, including shades and shadows, and perspective. Freshman year, Scientific Course, two hours a week; Sophomore year, first semester, one hour a week. Mr. MATTERN.

108. GRAPHICAL MECHANICS, with an introduction to machine design. Senior year, Scientific Course (elective), three hours a week. Asst. Prof. ALLEN.

109. SURVEYING. Recitations and lectures on the principles and practice of surveying, adjustment of instruments, practice surveys, levels, and topographical work, computations based upon data thus derived. Sophomore year, Scientific Course, second semester, four hours a week. Asst. Prof. ALLEN.

110. ANALYTIC MECHANICS. Composition and resolution of forces, center of gravity, friction, virtual velocities, machines, laws of motion, central forces, constrained motion, impact, work and energy, moment of inertia, rotary motion. Text-book: Bowser. Senior year, Scientific Course (elective), three hours a week. Asst. Prof. ALLEN.

111. THEORY OF NUMBERS. A course of lectures starting with the fundamental ideas and axioms for primary numbers and giving a logical development of the theory of integers, rational numbers, real numbers, and complex numbers. Junior or Senior year (elective), one hour a week. Prof. BOWDEN.

112. PROJECTIVE GEOMETRY. Projection, homology, duality, harmonic forms, anharmonic ratios, involution, projective forms in relation to the conic sections. Text-book: Cremona. Freshman year, Classical Course (elective); first semester, four hours a week, Prof. BOWDEN.

THE MATHEMATICAL LIBRARY contains standard works of reference on all the courses and is easily accessible to the students.

Department of Music.

120. MUSICAL ANALYSIS. Meter, Rhythm, Movement, Intervals, Keys, Modes, Concords, Discords, Modulations, Resolutions, Cadences, Articulation, Phrases, Periods, Subjects, Episodes, Variation, Imitation, Form, Style, Theme, Counterpoint, Dances, Suite, Rondo, Sonata, Fugue, Tone-color, Touch, Interpretation, Program. Text-books: Goodrich's Complete Musical Analysis, Beethoven's Sonatas. Analytical Recitals and Class Recitations. Junior and Senior years, two hours weekly. Prof. HANCHETT.

121. HARMONY. Intervals, Scales, Chord construction, Inversion, Use of Concords, Harmonization in three and four parts, Progression, Transition, Related Keys, Dominant, diminished and secondary Sevenths, Inverted basses, Duplication and Omission, Enharmonic changes, Augmented chords, Dissonant triads, Suspension, Organ point, Unrelated tones, Practical Construction. Text-book: Goodrich's Analytical Harmony. Junior and Senior years, two hours weekly. Prof. HANCHETT.

122. COUNTERPOINT. Harmonic Counterpoint, Vocal Score, Passing Notes, Polyphony, Florid Counterpoint, Strict Counterpoint in two or more parts, of the first, second, and third order. Double Counterpoint in the octave, tenth, and twelfth. Text-book: Goodrich and Richter's Counterpoint. Senior year, two hours weekly, open to those who have taken Course No. 121. Prof. HANCHETT.

Department of Elocution.

Individual work in this department is required of each member of the Freshman and Sophomore Classes, and is optional in the other years.

Students in the Freshman and Sophomore Classes are required to prepare annually at least two essays or orations suitable for public delivery, and, with the concurrent approval of the heads of the departments of English and Elocution, to deliver them in the Assembly Hall. If such approval is lacking, exercise in declamation or recitation is required. Mr. MACFARLANE.

Freshman

Total class-room work per week, exclusive of Physical Culture and Laboratory work, from 14 to 18 hours.

<i>Classical</i>	<i>Weekly Recit's</i>	<i>Literary</i>	<i>Weekly Recit's</i>	<i>Scientific</i>	<i>Weekly Recit's</i>

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Total class-room work per week, exclusive of Physical Culture and Laboratory work, from 14 to 18 hours.

<i>Classical</i>	<i>Weekly Recit's</i>	<i>Literary</i>	<i>Weekly Recit's</i>	<i>Scientific</i>	<i>Weekly Recit's</i>
REQUIRED:		REQUIRED:		REQUIRED:	
Two Languages, Greek } and Latin, 25, 26, 30, 31. }	8	English Literature, 1. } Mediæval History and } History of Renaissance, }	3	One Language, 15, 20, 30, } 31, 35, 36. }	4
Mediæval History and } History of Renaissance, }	4	40, 41. }	4	Mediæval History and } History of Renaissance, }	4
40, 41. }		Chemistry, 74, <i>a</i> and <i>b</i> . }	3	40, 41. }	
Physical Culture.	2	Physical Culture.	2	Chemistry, 75. }	5
				Mathematics, 101, 102, }	4
OPTIONS:		OPTIONS:		103, 109. }	
1. English Literature, 1. }	3	1. Mathematics, 100, 101, }		Mechanical Drawing, }	2
2. Mathematics, 100, 101, }	4	102. }	4	Lab., 107. }	
102. }		2, 3. Two Languages, 15. }	each 4	Physical Culture.	2
3. Chemistry, 74, <i>a</i> and <i>b</i> . }	3	20, 30, 31, 35, 36. }			
4. Elementary Psycholo- }	3	4. Elementary Psycholo- }	3		
gy, 59. }		gy, 59. }			

Sophomore

Total class-room work, as in previous year

REQUIRED : One Language, Greek or Latin, 27, 32. } English Literature, 2, 1st Sem. } History of Art, 47, 2d Sem. } History of England and France, 42, 43. } Physical Culture. }	4 4 3 2	REQUIRED : English Literature, 2, 1st Sem. } History of Art, 47, 2d Sem. } History of England and France, 42, 43. } Biology, 91. } Physical Culture. }	4 3 3 2	REQUIRED : One Language, 16, 21, 32, } 36, 37, 38. } English Literature, 1. } Physics, 86, <i>a</i> and <i>b</i> . } Mathematics, 104, 106, 107. } Physical Culture. }	4 3 5 4 2
OPTIONS : 1. Biology, 91. } 2. Mathematics, 104, 106, } 107. } 3. One Language, Greek or Latin, 27, 32. }	3 4 4	OPTIONS : 1. Mathematics, 104, 106, } 107. } 2. 3. Two Languages, 16 } 21, 32, 36, 37, 38. }	4 each 4	OPTIONS : 1. Chemistry, 76. } 2. History of England } and France, 42, 43. } Not more than one can be chosen.	5 3

Junior

Total class-room work per week, at least twelve hours

Same for both Classical and Literary Courses

Scientific

REQUIRED: {	Logic and Psychology, 55, 56.	3	REQUIRED: {	Biology. 90.	3
	Political Economy, 50, 1st Sem. }	3		Political Economy, 50, 1st Sem. }	3
	Social History, 46, 2d Sem. }			Social History, 46, 2d Sem. }	
OPTIONS:			OPTIONS:		
1.	English Literature, 3, 4.	3	1.	Mathematics, 105, III, 112.	3 OF I
2.	Lectures on Art, 48.	I	2.	Logic and Psychology, 55, 56.	3
3, 4.	Two Languages, 15, 17, 20, 22 28, 33, 35, 36, 38.	6	3.	Chemistry, 77.	6
5.	History and Theory of Education, 62, 63.	2	4.	Physics, 87, <i>a</i> and <i>b</i> .	6
6.	Normal Kindergarten, Pedagogical Options, 65, 68, 69, together.	6	5.	Language, 17, 22, 33, 35, 36, 38.	3
7.	Physics, 85.	3	6.	Sociology, 49.	2
8.	Old English, 9.	2	Three options may be chosen, one of which must be either Chemistry or Physics.		
9.	Sociology, 49.	2			
10.	Musical Analysis, 120.	2			
11.	Harmony, 121.	2			
From six to nine hours should be chosen.					

Senior

Total class-room work per week, at least twelve hours

Same for both Classical and Literary Courses

Scientific

REQUIRED: Philosophy and Ethics, 57, 58.	3	REQUIRED: Geology, 81, and Astronomy, 89.	3
OPTIONS:		OPTIONS:	
1. Biology, 92, 93, 94.	3	1. Economic History, 52, 1st Sem. }	
2. English Literature, 4, 5.	3	2. Practical Economics, 51, 2d Sem. }	3
3. United States History, 44, 2d Sem. }	3	3. Mineralogy, 80.	3
4. Modern History, 45, 1st Sem. }	3	4. United States History, 44, 2d Sem. }	3
5. 6. Geology, 81, and Astronomy, 89.	3	5. Modern History, 45, 1st Sem. }	3
7. 8. Two Languages, 16, 18, 21, 23, 29, 34, 35, 37, 38.	6	6. Technical Chemistry, 78.	7
9. Middle English, 10.	2	7. Electrical Technics, 88.	7
10. Economic History, 52, 1st Sem. }	3	8. Mathematics, 108, 110, 111, 112.	3 or 1
11. Practical Economics, 51, 2d Sem. }	3	9. Metallurgy, 82, 1st Sem. }	3
12. Pedagogics, General Methods, 61, 66.	3	10. Economic Geology, 83, 2d Sem. }	
13. Kindergarten Principles, 64, 1st Sem.	2	Three options may be chosen, one of which	
14. Psychology, Child Study, 60, 1st Sem.	1	must be either Chemistry or Electricity.	
15. Norm. Kind. Pedag. Op., 65, 68, 69, 1st Sem. }	6		
16. " " " " " 65, 67, 68, 69, 2d " }			
17. Froebelian Principles in Connecting Class-work, 70.	1		
18. Pedagogics in Bible-instruction, 71.	1		
19. 20. Musical Options, as in Junior year, 120, 121.	each 2		
21. Counterpoint (open to those who have taken course 121), 122.	2		
From nine to twelve hours should be chosen.			

Courses 55, 56, 61, 62, 63, 66 together make the Pedagogical Course, which leads directly to examination for State or City licenses. Courses 55, 56, 59, 49, 62, 64, 65, 68, 69, 57, 58, 60, 67, Junior and Senior years, are studies which must be chosen by students who wish to become trained kindergartners.

TEACHERS' COURSES IN ADELPHI COLLEGE.

1. Teachers and other mature persons whose qualifications are approved by the Faculty may present themselves for admission to the Teachers' Courses in Adelphi College by taking the regular entrance examinations in June or September, or by submitting to the judgment of the Faculty satisfactory diplomas, certificates, or other official evidences of scholastic work done. Such students, when admitted to the College, shall be enrolled in the Bursar's office as matriculated students, and upon payment of the prescribed matriculation fee they shall be eligible for admission to class-work.

2. Teachers of three years' experience in the High Schools of New York City, or teachers who have taught three years in the Public Schools of New York City under a Grade A certificate, may be excused from entrance examinations in History, Physiology, and Mathematics.

3. Teachers who have been in active service for at least three years shall not be required to pass entrance examinations in English, except in composition.

4. Teachers and other mature persons not candidates for a degree may be admitted to Teachers' Courses as special students upon the approval of the Faculty and the instructor in charge.

5. The courses for the especial benefit of teachers consist chiefly of afternoon, evening, and Saturday morning class-exercises in the prescribed studies of the College curriculum. These courses are classified as either Direction Courses or Residence Courses. In a Direction Course the student, by order of the Faculty, is assigned to the care of a member of the Faculty and studies under his advice and direction, receiving frequent written tests throughout the semester, or year, and submitting to a final examination upon all the work of the Course. Direction Courses will be more often permitted in the prescribed studies of the Freshman and Sophomore years. Residence Courses will be conducted by the various departments for afternoon, evening, or Saturday morning classes as time and opportunity permit. Such courses will consist of at least two one-and-one-half-hour exercises a week for thirty weeks or, in case of a semestrial study, for fifteen weeks. Scientific studies involving laboratory work must, unless otherwise ordered by the Faculty, be studied in residence at the Adelphi. If expenditures in a laboratory course for apparatus and materials shall, for any student, amount to more than the prescribed laboratory fee, the amount in excess may be charged to that student by the Bursar.

6. Teachers who wish to obtain a degree from Adelphi College must complete the prescribed curriculum in one of the three College courses—*i. e.*, the Classical, the Literary, or the Scientific—and must spend at least one year as a student, devoting full time to study in Adelphi College, or must take at least eight Residence Courses in Adelphi College. The rule concerning the requirement of eight Residence Courses may be modified, at the discretion of the Faculty, in case of students who are admitted to the College upon letters of honorable dismissal from other colleges. No student who is actively engaged in teaching will be permitted to study more than two subjects in the Teachers' Courses at one time, except by special permission from the Faculty.

7. Students in the Teachers' Courses, who are candidates for a degree, may not take Senior studies until all entrance deficiencies have been made up.

8. All examinations will be held at the usual time in June or September, or in the last week of the first semester. Special examinations may not be held unless by consent of the Faculty and subject to the conditions prescribed by the Bursar.

9. Except by special consent of the Faculty, no instructor shall conduct a class in the Teachers' Courses unless at least five pupils apply for admission thereto.

10. The Faculty will accept properly authenticated certificates of work done within the class-rooms of other colleges, and certificates of a similar nature concerning work done in summer schools will also receive consideration. Certificates issued by private tutors will not be accepted unless it is so ordered by the Faculty upon the recommendation of the heads of departments whose subjects may be included in the certificate.

11. An application to be admitted, upon certificate, to Adelphi Colleges in its Teachers' Courses as a candidate for a degree, should be presented, together with certificates, to the Faculty, before June 15th or October 8th in each year. Applications for either Residence or Direction Courses should be filed with the Registrar on or before the same dates. Communications concerning the studies should be addressed to President C. H. Levermore, Adelphi College, or to the Class Adviser of all students in the Teachers' Courses, Prof. V. E. Scharff, Room 62, Adelphi College. Business communications should be addressed to the Bursar.

12. In accordance with the terms of the circular issued by the City Superintendent of Schools, under date of June 24, 1898, and specifying the requirements for a teachers' license No. 2, or Grade A, and for Head

of Department licenses, the courses of instruction offered by Adelphi College in its various departments present to teachers a favorable opportunity for performing the work necessary in order to obtain either one of those certificates. For these purposes the City Superintendent approves all college classes excepting those which may be engaged upon the elementary study of a language.

13. All persons who enter the Adelphi Teachers' Course classes are required to register in the Bursar's office (east side of the Lafayette Avenue entrance), to pay one-half the tuition fee and to receive a card of admittance to the desired class. This card must be presented to the teacher in charge of the class. No pupil, thus registered, may withdraw from the class without notifying the Bursar. No deduction is made on account of absence.

14. In view of recent changes in methods of teaching and the higher qualifications demanded for professional work, neither the course of study in the Training School, nor the Head of Department certificate will hereafter be accepted as a substitute for Senior Pedagogics, if made matter of record prior to 1895.

15. Among the courses that will be offered to teachers for the next year, 1902-1903, the following may be now announced:

English Literature, Freshman and Junior, two classes; Chemistry, Freshman, if at least ten students apply; History, Freshman and Senior, two classes; French; German, if at least ten students apply; Greek, Freshman; Latin, Preparatory and Freshman, two classes; Philosophy and Ethics, Senior; Physics, Junior; Mathematics, Solid Geometry and Spherical Trigonometry, Freshman; Froebelian principles in primary work.

These courses will begin about October 15, 1902, subject to conditions described in foregoing regulations; see especially Rule 9. The hour of class-exercise is to be determined by the convenience of both students and teachers.

EXPENSES.

Annual tuition in the College per quarter, payable in advance.....	\$45.00
Annual tuition, Normal Course for Kindergartners.	100.00
No additional charges for Kindergarten materials.	
Annual tuition, Normal Art Course.	75.00
Art School, per quarter, half-day sessions.	10.00
“ “ “ “ whole day sessions.	15.00
School of Musical Art, class instruction, per quarter..from \$4.00 to	14.00
For Teachers only, Residence Course, per annum.....	40.00
“ “ Direction Course, per annum.	20.00
“ “ Matriculation fee.	5.00
Special examinations, each.	5.00

There are no extra charges in the College Course except for materials used in the laboratories.

Special Students are charged at the rate of \$15 a quarter for each subject studied. Special students in the sciences are entitled to the same amount of laboratory work as that which is required of regular students; for extra work in the laboratories they pay \$10 a quarter for each additional period. No special student is received for less than one quarter. Special students who take three subjects pay the regular rate.

Students in the Biology classes will pay a laboratory fee of \$3 to cover cost of materials. Students in the Chemistry classes will make a deposit of \$10 to cover cost of materials. Deposits are to be made with the Professor in charge. No laboratory desk will be assigned before deposit is made. In all Chemistry classes, when breakage or usage exceeds the amount of deposit or the fixed laboratory fee, an additional charge will be made to cover the excess.

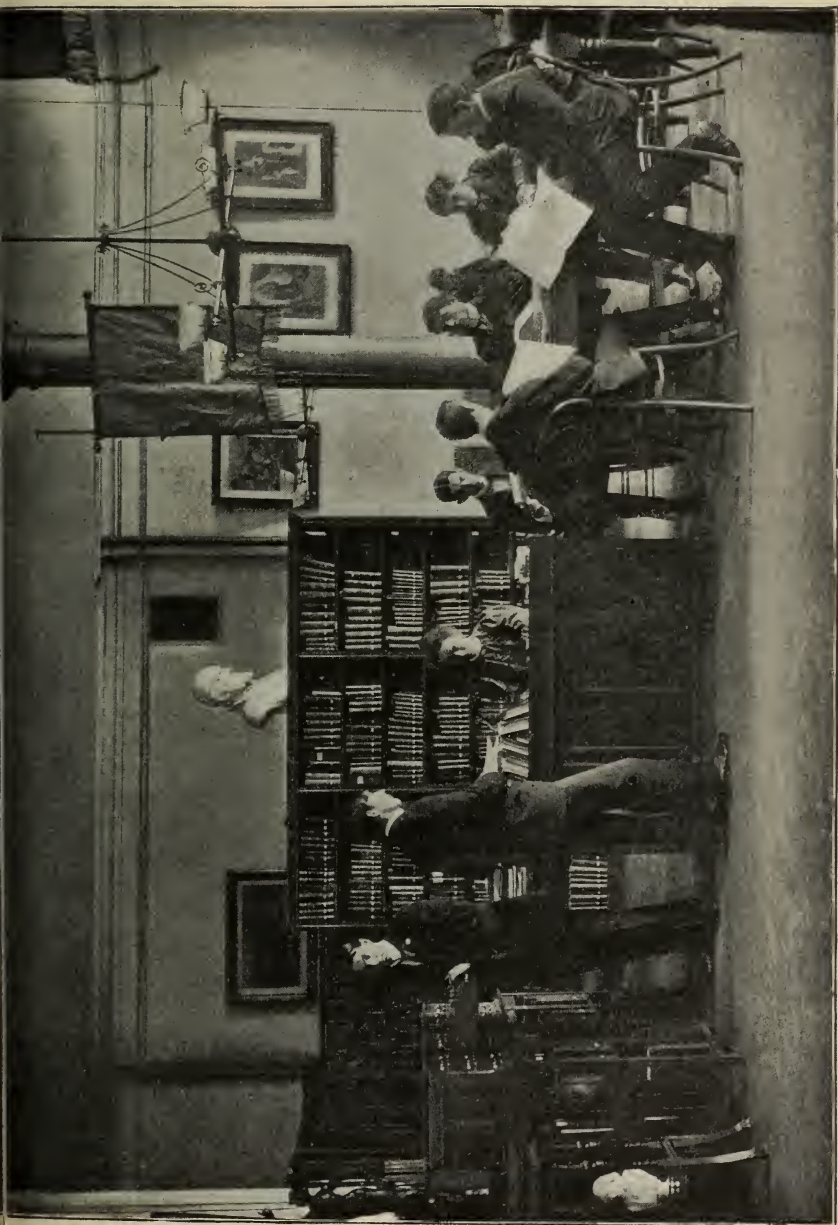
The College maintains a Book Room, where all books and stationery may be purchased by the students for cash.

Tuition is payable at the Bursar's office in the Academic Building.

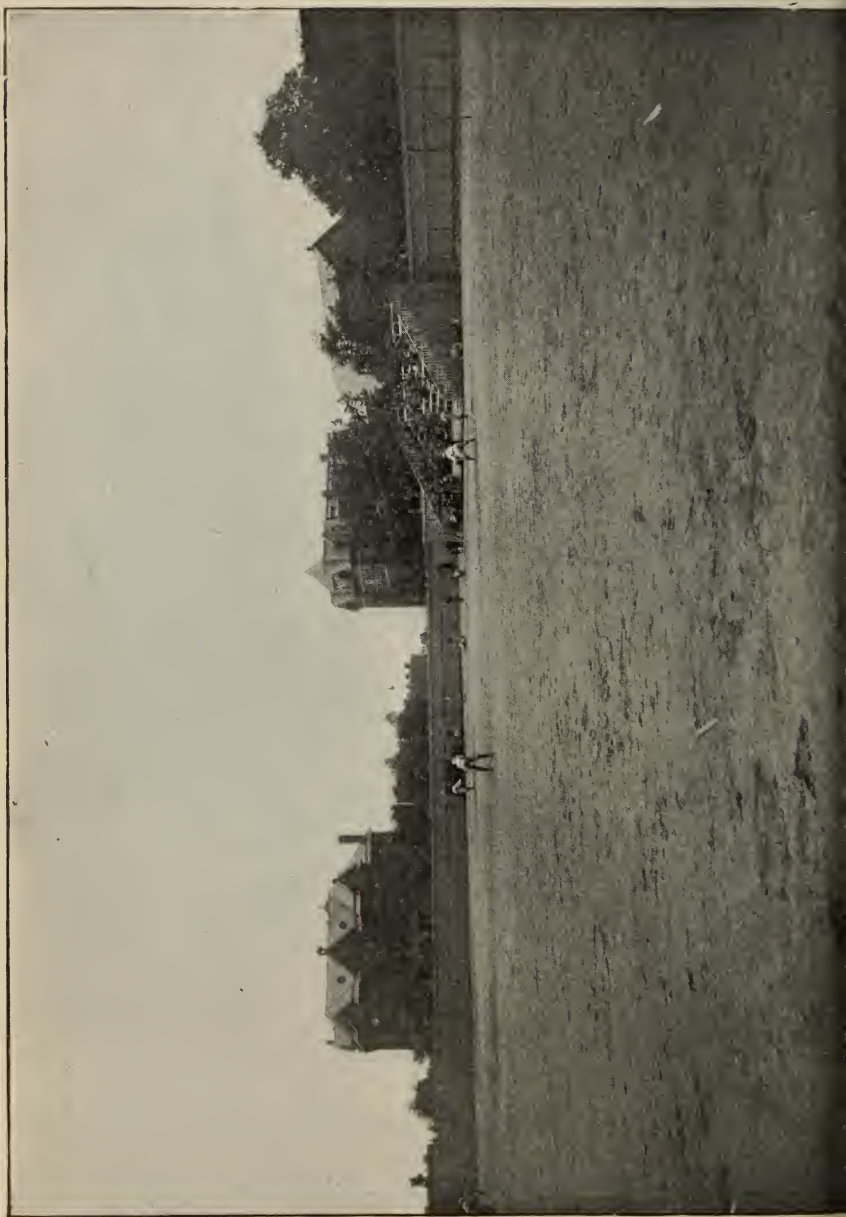
No deduction is made for absence. Students who withdraw during the year are liable for tuition until the Bursar has been notified of the withdrawal.

The price of board and lodging in the neighborhood of Adelphi College is from \$5 a week upward. Table board can be obtained at prices ranging from \$4 a week upward.

Address all business communications to The Bursar, Adelphi College, Brooklyn.



IN THE LIBRARY



EQUIPMENT.

I. The Library and Reading Room.—The Library now contains over eight thousand volumes. In the reading room, the principal magazines and all leading educational periodicals are on file. Students also have access to the large collections in the excellent Pratt Free Library, which is only one block distant from Adelphi. A trifling annual fee secures admission also to the Brooklyn Library, which contains about one hundred and fifty thousand volumes.

II. The Gymnasium and Playing Field.—The gymnasium is in charge of a Director, who is a physician, and of a lady assistant. The calisthenium is a spacious room provided with a piano, and with the usual equipment of wands, clubs and bells. The remaining space, besides dressing-rooms, bath-room and offices, contains two large rooms well supplied with all modern apparatus. In the central gymnasium are found handball courts and a basketball field.

The playing field is situated near Classon Avenue, between Park Place and Prospect Place. It is near the Franklin Avenue, Bergen Street and Vanderbilt Avenue lines of cars, and is about twelve minutes' walk from the College. It contains ball fields, tennis courts, running tracks and a grand stand, with seats for two hundred and fifty persons. Underneath the grand stand are dressing-rooms, with lockers and bath-rooms. The carriage entrance to the field is on Prospect Place. The ordinary entrance is on Park Place, near Classon Avenue.

III. The Laboratories.—On the third floor of the College building are the mathematical and physical laboratories.

The mechanical drawing room is well lighted and contains a large collection of geometric models and machine types. There is also a complete equipment for the study of surveying.

There are two laboratories for physics abundantly equipped, and a lecture-room, with a seating capacity of one hundred.

The lecture-room is provided with an electric projecting lantern with vertical attachment, polarizing elbow and microscope, and the department possesses a large set of objects for projection. There is an electric lighting and power plant, consisting of a forty-horse power engine, a 250-light U. S. direct current dynamo, and three U. S. motors. During the hours of session these furnish current in the lecture-room and laboratories and drive the ventilating fans. At other times connection is made with the Edison three-wire system, giving a constant potential of 230 volts.

The fourth floor is occupied by the departments of chemistry and

biology. The department of chemistry possesses, besides a lecture-room and a weighing-room, a *Main Laboratory*, a *Quantitative Laboratory*, an *Assay Laboratory*, and a *Blowpipe Laboratory* for the work in mineralogy and blowpipe analysis. The lecture-room has seats for eighty students, and is provided, like the physical lecture-room, with a specially constructed electric projecting lantern, with attachments for horizontal, vertical, and side projection, and special apparatus for the projection of microscopic objects.

A supply room contains a store of extra apparatus, from which the students can obtain all the material they require in their experimental work. This room is arranged for use as a photographic dark room, with complete apparatus for making lantern slides, including a fine copying, enlarging and reducing camera, and complete equipment for electric illumination, rendering it possible to do photographic work at all times without dependence upon sunlight.

In the rooms of the department of chemistry are exhibited the Mineralogical Collection, containing about two thousand specimens and a set of models of crystals. There is also a Geological Collection, including the representative fossils of all formations and large collections of the different kinds of rocks.

The biological laboratories are two in number and are well provided with facilities for botanical and zoölogical study, including dissecting and compound microscopes, a herbarium, mounting apparatus and various reagents, and a large amount of illustrative material, including a fine collection of type-vertebrate skeletons.

There is also a lecture-room for the especial use of the department of biology.

IV. Buildings.—The group of buildings now occupied by the College fills the entire end of the block between Lafayette Avenue and Clifton Place, upon St. James Place. The main entrance of Adelphi College is on Clifton Place. The central building is an assembly hall, 50x72 feet, with sittings for about a thousand persons.

During the noon hour, daily, or from 11.40 to 1.30 o'clock, a warm luncheon can be obtained in a lunch room within the buildings.

Convenient access to the buildings is provided by the Brooklyn Union Elevated R. R. (DeKalb or Greene Avenue Stations), or by the Greene, DeKalb, Franklin, Vanderbilt, and Fulton electric cars.

By arrangement with the officers of the Brooklyn Rapid Transit Company, special cars are run before 9 A. M. from the Park Slope along Ninth Avenue, and from the Parkway along Nostrand Avenue, to Adelphi, so that the trip may be made without change and for one fare. Time-tables for these routes can be procured at the Bursar's office.

The College provides accommodations for the clothing of pupils and takes due precaution for the security of such articles, but it cannot be responsible for their safety.

V. Lectures.—Besides the lectures of many kinds maintained annually by Adelphi within its own halls, the students are advised to avail themselves of the exceptional educational opportunities afforded them in the unrivaled lecture and concert courses of the Brooklyn Institute. A merely nominal annual fee admits any one to most of the facilities of the Institute. All of its work is conveniently near Adelphi; some of it is placed every year within Adelphi halls. The new Art Museum of the Institute is not far away and is more and more valuable as an educational force.

SCHOLARSHIPS.

The College devotes each year a certain portion of its resources to the maintenance of scholarships for the benefit of indigent and deserving students. Those who need aid should communicate with the president before November 1st in each year of the College Course. A student applying for aid for the first time is required to present evidence in writing that he is worthy to receive assistance, and that such help is necessary to enable him to continue in collegiate studies. Assistance will be withdrawn from students who are irregular in attendance, or who fail to maintain a reputable scholarship.

PRIZES.

The Ossoli Prize.—This prize is offered annually for the best English essay written by a student in Adelphi College. The subjects are announced in May of each year for the competition during the year following, and the results of the competition are announced in May of each year.

Barlow Medals.—In December, 1897, Mr. George Barlow, of Brooklyn, gave to the College the sum of \$5,000, to be known as the George Francis Barlow Fund, in honor of the donor's son, who was the valedictorian of the Adelphi Academy Class of 1878. Part of the proceeds of this Fund is devoted to the maintenance of the Barlow Medals, which may be awarded in June of each year to that student in each course of the Sophomore year in Adelphi College who has attained the highest rank in scholarship in all studies during the first two years of the College Course. The remainder of the annual income from this Fund is devoted to the purchase of books, pictures, and apparatus.

In the Art School a number of prizes are awarded to the winners in the annual competitions, which are described more fully in the section of this catalog relating to the department of fine arts. *q. v.*

LECTURES—1901-1902.

1. A series of lectures was delivered by Prof. William C. Peckham, on "The Eye," as follows:

- Oct. 7, 1901.—Facts of Physics Connected with our Seeing.
- Oct. 14, 1901.—The Structure of the Eye.
- Oct. 21, 1901.—Color Vision and Color Blindness.
- Oct. 28, 1901.—The Defects of Vision.
- Nov. 4, 1901.—Certain Peculiarities of Vision.
- Nov. 11, 1901.—The Relation of the Eye to its Work: its Proper Use and Care.

2. Lectures and illustrative concerts by Dr. Henry G. Hanchett, Professor of Theoretical Music in Adelphi College, and by Dr. John C. Griggs, Professor of Musical History in the Adelphi School of Musical Art; assisted by Miss Carolyn Atlee, Soprano; Miss Susan S. Boice, Soprano; Miss Lena Burky, Violoncello; Mrs. Stuart Close, Piano; Miss Madeline W. Coverley, Viola; Miss Mary L. Denton, Soprano; Miss Susan L. Eastman, Contralto; Miss Maud I. Kennedy, Soprano; Miss Clarine V. B. Matson, Violin; Miss Laura Phelps, Violin; Mr. Albert E. Andrews, Barytone; Mr. Walter Bentley Ball, Barytone; Mr. Martin W. Bowman, Tenor; Mr. E. Ellsworth Giles, Tenor; and the Maxwell Orchestra of about twenty performers. under the direction of Dr. Hanchett.

GENERAL TOPIC: MUSICAL CONTRASTS.

First Course.

- Oct. 14.—Dr. Hanchett: "The 18th Century, and the 19th."
- Oct. 21.—Dr. Griggs: "Mozart."
- Oct. 28.—Dr. Hanchett: "The Classic and the Romantic."
- Nov. 7.—Dr. Hanchett: "The Lyric and the Symphonic."

Second Course.

- Nov. 11.—Dr. Hanchett: "The Vitality of the Older and the Newer Music."
- Nov. 18.—Dr. Griggs: "Faust Music."
- Nov. 25.—Dr. Hanchett: "The Sonority of the Older and the Newer Music."
- Dec. 2.—Dr. Hanchett: "The Tone Colors of Classic and Modern Composers."

Third Course.

- Mar. 3.—Dr. Hanchett: "Contrasts in Purpose."
Mar. 10.—Dr. Griggs: "German Songs and Ballads."
Mar. 17.—Dr. Hanchett: "Contrasts in Form."
Mar. 24.—Dr. Hanchett: "Contrasts in Style."

Fourth Course.

- Apr. 7.—Dr. Hanchett: "Contrasts in Clearness."
Apr. 14.—Dr. Griggs: "American Composers."
Apr. 21.—Dr. Hanchett: "Contrasts in Personality."
Apr. 28.—Dr. Hanchett: "Contrasts in Scoring."

Lectures in French—By M. Leopold Mabillean:

Mar. 1, 1902.—La Jeune Fille Française en 1902.

By M. Hugues Le Roux:

Mar. 11, 1902.—La Vraie Parisienne.

Mar. 17, 1902.—Les Saltimbanques.

GIFTS DURING THE YEAR 1901-1902.

Adelphi College gratefully acknowledges the following gifts:

1. The Senior Class of 1901 gave to the College at Commencement time a sum of money for the purchase of books and pictures, which enabled the College to expend about three hundred dollars chiefly for the benefit of the Library.

2. Mr. Paul Vernon, a former student in the Adelphi Academy, presented to the institution a beautiful specimen of petrified wood, secured by him at Chalcedony Park, Arizona.

3. The College is indebted to the kindness and liberality of Mr. Julius W. Brunn for the palms and other plants which during successive years have adorned the Library and the first-floor corridor of the College building.

4. For the pictures of the Principals of Adelphi Academy which were placed in the President's office in June, 1901, the institution is indebted to the artistic skill and the generosity of the following artists:

To Miss Augusta Sittig, for the portrait of Mr. John Lockwood.

To Miss Edith Sawyer, for the portrait of Dr. Homer B. Sprague.

To Mrs. G. Douglas Stearns, for the portrait of Dr. A. C. Perkins.

To Mr. Will J. Quinlan, for the portrait of Dr. J. S. Crombie. (This picture was made and presented to the Adelphi Academy in 1893.)

To Mrs. M. W. Whittaker, for the portrait of Dr. C. H. Levermore (placed in the Library).

And to Mr. W. Irving Taylor, son of Dr. Stephen G. Taylor, for the portrait of his father, which was made by another son of Dr. Taylor, Mr. Arthur W. Taylor, in 1876.

5. During the year the sum of fifty thousand dollars was added to the college endowment fund. The contributors to this fund, besides members of the Board of Trustees and Faculty, were Mr. John Gibb, Mr. Frank S. Jones, Mr. Enoch Rutzler, Mr. Edward H. Kidder, Mr. George Powers, Mrs. Samuel Baron, a dramatic association of students and alumnæ under the direction of Miss Rebecca Lane Hooper, and two other individuals who requested that their names should not be published.

6. For the greater part of the renovation and decoration of all the inside walls of the Adelphi buildings, a work which was accomplished during the summer vacation in 1901, the College is deeply indebted to the generosity of Mr. Henry U. Palmer. The College also thankfully acknowledges welcome contributions for the same purpose from Messrs. Julius W. Brunn, Walter L. Green, Abraham Abraham, and Hayden W. Wheeler.

7. Dr. Jesse Hortter, of Brooklyn, has presented to the College an extensive collection of specimens useful in the study of Geology, Mineralogy, Botany, History, Archæology, and the industrial arts. This collection, which has been the work of a lifetime, was gathered by Dr. Hortter in the course of his long residence and travels in the Rocky Mountain regions, in Mexico, and in the islands of the Pacific.

8. Through the agency of Mr. Willard S. Tuttle, the Secretary of the Board of Trustees, the College has received donations for the use of the department of mechanical drawing as follows:

One Shaw compression coupling, from Patterson, Gottfried & Hunter, 146-150 Center Street, New York City.

One shaft-hanger and one pillow-block, from P. Puyibil, 512-524 W. 41st Street, New York City.

9. In May, 1901, Mr. Henry W. Maxwell established five scholarships in Adelphi College, each insuring free tuition for four years, and each to be filled from nominations by members of the Faculty of the Brooklyn Borough Training School, subject to the approval of the Faculty of Adelphi College. In June, 1901, Mr. Charles A. Moore established two more scholarships in Adelphi College under similar conditions. It is with especial pleasure that Adelphi College records these acts of farsighted beneficence, and with the hope also that other public-spirited citizens may be inclined to similar deeds. These scholarships are for the especial benefit of Brooklyn young people who wish to fit themselves for teaching as a profession. Better culture for teachers means better culture for the multitude whom the teachers influence.

10. Miss Both-Hendriksen and Dr. A. G. Fradenburgh, gave to the College Paul Berthon's "Le Palais de Justice."

11. Mrs. Russell Sage presented to the College Library the sumptuous volume entitled "Mrs. Emma Willard and her pupils," which was published by Mrs. Sage.

Students' Organizations.

Branch of the Young Women's Christian Association—Grace C. Cotton, C., '02, Pres.; Juliette G. Hollenback, C., '02, Vice-Pres.; Ethel H. Gauvran, C., '03, Sec.; Esther L. Carson, C., '04, Treas.

College Students' Association for Self-Government—Organized 1896. *Girls*: Juliette G. Hollenback, C., '02, Pres.; Ethel H. Gauvran, Normal, Vice-Pres.; Dorothy E. Tuthill, C., '04, Sec.; Emily G. Chapman, C., '05, Treas.; Exec. Com.: Cora B. Snowden, and Alice L. Nason, C., '02; Katherine S. Greene, and Mary H. Burrows, C., '03; Martha Casamajor,

and Katherine W. Stone, C., '04; Nellie T. Graef, and Lillian de F. Chace, C., '05. *Boys*: Eugene C. Howe, A., '02, Pres.; Joseph G. Dunn, C., '05, Vice-Pres.

Historical Club—Dr. A. G. Fradenburgh, Pres.; Marguerite Walbridge, Sec. Exec. Com.: A. B. Keep, Mabel Miller, E. E. Proper. Subject of consideration during the year, 1901-1902: The political history of the United States since the Civil War.

The Adelphi Union—An association composed of Adelphi Academy, College and Normal Alumnæ, for the purpose of Christian and philanthropic work. This work had its beginning in a free Kindergarten established by the Normal Alumnæ in 1898, at the United Charities Building, 1660 Fulton Street. Since December, 1899, members of the Academy and College Alumnæ have maintained in the same building classes for older children; also a penny provident fund and library, the books of which were contributed to the Union by the Academic grades of the Adelphi. President of Adelphi Union, Mary M. Hopkins, A., '97; Vice-Pres., Anna E. Harvey; Treas., Alice Casamajor, A., '96, C., '99; Sec., Susan B. Taylor, A., '96; Directors: Rebecca L. Hooper, A., '96, Alice M. E. Pfizer, A., '97, C., '99, Margaret E. Johnson, A., '97, C., '99, Hazel E. Coppins, A., '01, C., '03.

The Adelphian—Established 1881. Published monthly by the Adelphian Publishing Association. Jessie H. Righter, C., '04, and Joseph G. Dunn, C., '05. Editors-in-Chief; Assistant Editors: Josephine Kelley, C., '04, Mary C. Carpenter, C., '04, Grace A. Cooper, C., '04, Robert Kelley, A., '04, W. B. Keller, Jr., A., '04, Starr Cooper, A., '05, Charles W. Johnston, A., '04.

Students' Glee Clubs—Prof. John Hyatt Brewer, Director.

Dramatic Association—Wm. B. Keller, Jr., A., '04, Pres.; Ruth Nesmith, C., '04, Vice-Pres.; Jane Thurston, A., '04, Sec.; Gordon Howe, A., '04, Treas.

Sketch Club—Prof. J. B. Whittaker, Pres.; Maurice Thran, Sec.

Adelphi College Alumni Association.

Organized, January 19, 1901. Officers: Freda M. Brunn, '99, Pres.; Violette E. Scharff, '00, Vice-Pres.; Sophie Zollinhofer, '99, Recording Secretary; Mabel Miller, '98, Corresponding Secretary; Lucy Taylor Lewis, '99, Treasurer.

Commencement June 16-19, 1901.

The baccalaureate sermon was delivered on Sunday evening, June 16th, in the Church of the Incarnation, by the Rector, Rev. Dr. John G. Bacchus.

The Commencement exercises occurred in the College Hall on Wednesday evening, June 19th.

Rev. Dr. Edward A. Blake offered prayer, and an address was made by Rev. Dr. S. Parkes Cadman.

The following persons were admitted to the degree of Bachelor of Arts:

MARY STOCKBRIDGE BACCHUS	JANE MARIA MACKAY
CORA LIVINGSTON BARBER	HELEN EDMUNDS REDDING
MABELLE A. BLAKE	MILDRED ALICE STANTON
HELEN AMELIA COUSINS	MARY JOSEPHINE THACKRAY
THEODORA GOLDSMITH	FRANK MAKEPEACE WHITEHALL
MARY STEWART KENNEDY	MARGARET SARAH WHITTAKER
GRACE CLARA WILSON	

Diplomas of the Adelphi Normal Course for Kindergartners were awarded to the following students:

LOUISE ALLAIRE	MARIA CATILINA MAJOR
MABEL FLORENCE DUNHAM	EDITH OLIVE PHAIR
GERTRUDE EDDY	OLIVE KNIGHT SMITH
ADA MARY FAWCETT	LORETTO JANEWAY URSULA WALSH
ALICE CARRELL LUDLUM	HARRIETTE DAVOL WARREN
FLORENCE ELLA WYCKOFF	

AWARD OF PRIZES, 1900-1901.

The Ossoli Prize, for excellence in English Composition,
 Harriet M. Martin, of the Junior Class
 Barlow Medal, for excellence in scholarship during first two years of the
 College Course. Dora Levy, Sophomore Class, Literary Course

ART SCHOOL PRIZES.

I. For Paintings from Life:

1. The Figure—

Gold Medal. Frederic E. Maine

Honorable Mention. David B. Holland

2. The Draped Figure—

Silver Medal. David B. Holland

Honorable Mention. Edda M. Heath

II. For Drawings from Life:

1. The Figure—

Gold Medal. C. Marguerite Robinson

Honorable Mention. Mary A. Hawes

2. The Head—

Silver Medal. Anna J. N. Burkey

Honorable Mention. Marie E. Uhlig

III. For Drawings from the Antique:

1. The Figure—

Gold Medal. Mabel E. Brown

Honorable Mention. Ethel Bliss

2. The Bust—

Silver Medal. Ethel Williams

Honorable Mention. Mrs. E. Tomlinson and Julia A. Burke

IV. For Greatest Improvement during the year. Theodore Shoudy

V. At the annual spring competition of Adelphi Art School, the committee of award rendered the following decision:

After carefully examining the various exhibits of studies in Black and White and Color, we are pleased to say that, while some of the works show great promise, we especially commend the following as possessed of particular merit: No. 1, Head from Life, by Miss Anna J. N. Burkey, and the Torso Laocoön, by Ernest W. Braxton.

(Signed)

SEYMOUR J. GUY.

J. G. BROWN.

JOHN H. LITTLEFIELD.

REGISTER OF STUDENTS IN ADELPHI COLLEGE.

1901-1902.

GRADUATES.

DUNN, HELEN A., B.A. (Chicago, '01).

REDDING, HELEN E., B.A. (Adelphi, '01)—2.

SENIOR CLASS.

Bogue, Harriet Louise

Cotton, Grace Corning

Ennis, Isabel Algeira

Garland, Adelaide Prescott

Hale, Elizabeth Helen

Heuermann, Helena Frances

Higgins, Alice

Hollenback, Juliette Genève

Martin, Harriett Marie

Nason, Alice Louise

Pyles, Marion

Snowden, Cora Bayard

Van Cleve, Christine

Webb, Annie Maude

Woodbury, Ella Augusta—15.

JUNIOR CLASS.

Auel, Pauline M.

Barber, Sara M., Sp.

Bliss, Ida L.

Burrows, Mary H.

Coppins, Hazel E.

Crane, Emma, Sp.

Gauvran, Ethel H.

Greene, Katherine S.

Hodges, Kate L.

Mitchell, Marguerite

Story, Josephine B., Sp.—11.

SOPHOMORE CLASS.

Amrath, Adele B.

Balbin, Emilia A. C.

Briggs, Mae

Brown, Gwendolen

Casamajor, Martha

Case, Anna

Cooper, Grace A.

Doody, Florence

Frith, Marie S.

Graf, Bertha F.

Hawkins, Florence L.

Howe, Eugene C.

Ives, Eloise S.

Jarvis, F. Eleanor

Kelley, Josephine

Kneeland, Jessie

Koos, Charlotte K.

Lichtenstein, Ida M.

Nesmith, Ruth B.

Plump, Julia H.

Pritchard, Anna M.

Righter, Jessie H.

Romer, Mary S.

Seymour, Josephine

Stone, Katherine W.

Tuthill, Dorothy E.

Von Nostitz, Emilie C.

Wheeler, Hattie

Whitney, Marion S.—29.

FRESHMAN CLASS.

Benson, Ruth	Nearing, Alice
Briggs, Ida	O'Brien, Helen M.
Brown, Elizabeth M.	Palmer, Austin P.
Chace, Lilian de F.	Quick, A. Gertrude
Chapman, Emily G.	Ramsay, Grace S.
Davenport, Florence C.	Sands, Edith M.
Diffenderfer, Katharine A.	Schradieck, Helen E.
Dunn, Joseph G.	Smith, Mae P.
Eddy, Robert J.	Swan, Jeanne W.
Forshew, Frances	Tobin, Katherine F.
Graef, Nellie T.	Tomlin, Stella M.
Hall, Ethel R.	Vanderveer, Ida J.
Hathaway, Pauline P.	Van Vranken, Anna K.
Hoschke, Louise M.	Wilding, Agnes V.
Mudge, Clara D.	Wood, Cora B.—30.

MATRICULATED STUDENTS IN TEACHERS' COURSES.

Bähr, Ida M.	Kerby, Harriet L.
Barclay, Margaret E.	King, Katherine J.
Bollenhagen, Marie T.	Maas, Henrietta
Brainerd, Edith B.	Mackintosh, Margaret C.
Brandt, Wilhelmine S.	MacNary, Alice B.
Carpenter, Corinne	Matteson, Kate L.
Carpenter, Doris	Miller, Lydia
Coffin, Mary E.	Quinlan, Grace M.
Common, Renwick G.	Robinson, Nora F.
Crane, William A.	Schwab, Sophie
Davis, Frank L.	Scott, Clara L.
Donally, Anna M.	Stamm, Caroline L.
Frazer, George	Starkey, Mary F.
Gray, Temperance	Sullivan, Annie T.
Halbert, Anna E.	Teschmacher, Helen A.
Henry, Ida M.	Thorne, Beatrice S.
Hochart, Marie T.	Turner, Kate E.
Holden, Gertrude E.	Usher, Matilda
Holler, Madeline R.	Volentine, Mrs. Mary F.
Irvine, Augusta V.	Washington, Mary E.
Jackson, Helen M.	Wood, James M., Jr.—42.

SPECIAL STUDENTS.

Allen, Mrs. Josephine	Hall, May Manchester
Barber, Mary Jeannette	Hoage, Norma
Barker, Henrietta F.	Holland, Anna E. F.
Barnes, Edna M.	Hollenback, Amelia B.
Barnes, Margaret	Hollingshead, Bessie L.
Barnum, Madalene D.	Hueston, Jessie E.
Becker, Moses, Jr.	Hyde, Justus C.
Bolduan, Charlotte E.	Jones, Edwin
Brady, Katherine	Keep, Austin B.
Brainerd, Helen E.	Kennerly, Martha M.
Braker, Henriette	Lane, Carrie P.
Brice, Margaret J.	Lawrence, Azilia M.
Burnett, Josephine M.	Loope, John A.
Burton-Holden, Mrs. H. Florence	Lowe, Mary
Carson, Esther E.	Mason, Mary A.
Christensen, Alice F.	Merryweather, Amelia E.
Coddington, Jessie T.	Miller, Mrs. Kate R.
Cordes, Anna	Moller, M. Cecilia
Coster, Silvie De G.	Morey, James S.
*Davies, Anna L.	Nicholas, Josephine E.
Demarest, Minnie R.	Nichols, Ellen E.
Dugan, James A.	North, Victoria A.
Duncan, Mary W.	Pateman, Edna E.
Dunn, Jean McN.	Payne, F. Ursula
Duryea, William H.	Pearse, Mabel
Elmore, Mary E.	Powers, Lillian I.
Farnam, Ellen Noble	Ritter, Mrs. Alice E. B.
Firth, Godfrey T.	Robinson, Mrs. Cornelia S.
Frazier, Marion	Starkey, Warren L.
de Fremery, Elinor V.	Storer, Henry A.
Gill, Mary C.	Sutherland, Josie M.
Haines, Frances Van Pelt	Swartz, Mabel R.
Halbert, Matilda C.	Walsh, Daniel O'C.
Hall, Mabel H.	Wendel, Carrie E.—68.

RECAPITULATION.

Graduates.	2
Seniors.	15
Juniors.	11
Sophomores.	29
Freshmen.	30
Matriculated Students in Teachers' Courses.	42
Special Students.	68
Total.	197

* Died Dec. 7.

THE ADELPHI NORMAL COURSE, OR TRAINING CLASS FOR KINDERGARTNERS.

Faculty.

CHARLES H. LEVERMORE, Ph.D., President.

ANNA E. HARVEY, Director. Instructor in Kindergarten Theory,
and Secretary of the Faculty.

FREDERICK W. OSBORN, B.A., A.M., Professor of Psychology
and Education.

JOHN B. WHITTAKER, Professor of Painting and Drawing.

FREDA M. BRUNN, B.A., Instructor in Psychology.

ELIZABETH V. GAINES, B.A., Professor of Biology.

FRANCES H. FLAGLER, Instructor in Physical Culture.

CAROLYN S. KIBBE, Instructor in Vocal Music.

NELLIE L. ROETHGEN, Instructor in the History of Education.

SARAH E. SCOTT, M.A., Instructor in Theory of Education.

ADALINE G. WYKES, Instructor in Manual Training.

This course extends through two years. Candidates for admission must be at least eighteen years of age, must have had either a high-school training or its equivalent, and must satisfy the Director that they are competent to study kindergartening with prospect of success. Students who complete the full course and give satisfactory proof of efficiency and ability will receive a diploma certifying to their attainments. Only a limited number of students will be admitted to this course. Students who are qualified to enter the Junior Class in Adelphi College may present the studies of this Normal Course as options in the Junior and Senior years, and as part of the necessary work for a baccalaureate degree.

Course of Study.

First Year.	Second Year.
The First Six Kindergarten Gifts.	The Last Seven Kindergarten Gifts.
Clay Modeling,	Slat Interlacing,
Paper Folding,	Paper Interlacing,
Parquetry,	Paper Cutting,
Mat Weaving,	Peas Work,
Sewing,	Card Modeling,
Games and	Games, Stories,
Stories,	and Program-
Elementary Psychology.	Plans,
History of Education.	Lectures on the History of Art
Lectures on the History of Art	(optional).
(optional).	Free-hand Drawing and Color
Free-hand Drawing and Color	Work.
Work.	Music—Voice culture.
Kindergarten Drawing.	Physical Culture.
Music—Voice culture.	Study of Froebel's "Mother-Play."
Physical Culture.	Theory of Education.
Zoölogy and Botany.	Psychology.

Candidates for admission must present certificates from institutions of recognized standing, or be prepared to pass examinations in the following subjects: English (Grammar, Rhetoric, and Literature—the college entrance requirements for the year or their equivalent), General History, Physiology, Plane Geometry, Physics, and three years' study of a language other than English.

Candidates may present themselves for examination in September at the time of Adelphi College entrance examinations, as stated in the College calendar, or in June on the Monday before Commencement. Applications for admission to these examinations should be made at least one week before the date of the examinations, to the Director.

MISS ANNA E. HARVEY,

Adelphi College,
Brooklyn, N. Y.

Terms: The fee for instruction in the Training Class is \$100 per annum. There are no extra charges for materials.

The Adelphi Normal Course for Kindergartners was organized in 1893. The first class, consisting of nine members, graduated in 1895. At the present time forty-eight graduates of this school are teaching in kindergartens. Of this number, forty are employed as Directors; twenty-six of these are Directors in public school kindergartens.

The Adelphi Normal Kindergarten Alumnæ Association was organized in 1896. The officers for 1902-1903 are: President, Margaret Holmes, '95; Vice-President, May Martin, '00; Recording Secretary, Grace Seeley, '97; Corresponding Secretary, Gertrude Eddy, '01; Treasurer, Bessie H. Thompson, '97. In 1898 this Association directed its efforts toward maintaining a free kindergarten at the Bureau of Charities, 1660 Fulton Street, Brooklyn. This work was carried on most successfully until June, 1901, when the Association transferred this kindergarten to the Free Kindergarten Society, and began to organize and maintain a free kindergarten in connection with the Ridgewood Household Club at 333 Bleecker Street, Brooklyn. Miss Bessie Hunter, '96, has charge of this kindergarten.

In addition to the practice teaching in the Alumnæ Kindergarten, the Normal students have opportunities to teach in the kindergartens of the Free Kindergarten Society of Brooklyn, of the Church of the Incarnation (Quincy Street, near Claassen Avenue), of the Emmanuel Baptist Mission, and in the kindergarten and connecting class of the Adelphi Academy.

Register of Students in Normal Course, 1901-1902.

SENIOR CLASS.

Comins, Helen A.
Fish, Agnes Louise
Gauvran, Ethel H.
Kelly, Eugenie S.
Menahan, May Frances
Mendes, Emily G.

Morrison, Florence E.
O'Keefe, Marguerite
Ross, Julia C.
Silverman, Sadie P.
Warren, Lila H.—11.

JUNIOR CLASS.

Black, Mabel
Farley, Marie
Faulkner, Lilly Olivia
Fowler, Blanche
Friend, Eleanor

Frith, Josephine
Leach, Emma C.
Moore, Agnes
Read, Martha
Spooner, Marion—10.

A CORNER IN THE BOTANICAL LABORATORY





THE DEPARTMENT OF FINE ARTS.

Faculty.

CHARLES H. LEVERMORE, Ph.D., President.

FREDERICK W. OSBORN, B.A., A.M.,

Professor of Psychology and Education.

JOHN B. WHITTAKER,

Director of the Art School, and of the Normal Art Course.

Professor of Painting and Drawing.

HENRY G. HANCHETT, M.D., Professor of Theoretical Music.

JOHN HYATT BREWER, Professor of Vocal Music.

LOUISE BOTH-HENDRIKSEN, Instructor in the History of Art.

FREDA M. BRUNN, B.A., Instructor in Psychology and Pedagogics.

GERTRUDE M. HALE, Accompanist.

CAROLYN S. KIBBE, Instructor in Vocal Music.

NELLIE L. ROETHGEN, Instructor in the History of Education.

SARAH E. SCOTT, M.A., Instructor in Theory of Education.

OLIVER WEBB, Instructor in Wood-working.

ADALINE G. WYKES, Instructor in Drawing.

The whole of the fifth floor of the Collegiate Building is devoted to the Art Department. There is a spacious studio, which is furnished with full- and half-sized statues, large and small torsos, busts, masks and reliefs. There is also a large room for classes in drawing and painting from life. Besides, there are three rooms for modeling, the making of casts, and for the use of small classes. There is also a manual training workroom. All the studios are open daily from 9 A. M. until 4 P. M.

The special student entering the Art Department is independent of the other departments of the school, and there are no restrictions as to age. One may choose, according to predilection or ability, between the antique, still life, portrait, figure, charcoal, pastel, oil and water color, or he may include all in his studies for which he finds time. Evening classes (antique, life, and sketch) meet on Mondays, Tuesdays and Thursdays from 7.30 to 10 P. M. Terms for evening classes, \$2 per ten weeks. Terms for day classes are \$10 per ten weeks, half-day sessions, or \$15 per ten weeks, whole-day sessions.

Students in this department are admitted to all privileges of the College library and reading room.

The annual exhibition of the work of the pupils of the Adelphi Art School is usually held on the last Friday and Saturday in May of each year.

The drawings of the students are arranged in classes, and prizes are awarded as follows:

Best bust from the Antique.....A silver medal.

Best figure from the Antique.....A gold medal.

Best head from Life.....A silver medal.

Best figure from Life.....A gold medal.

In the class in painting a silver medal is awarded for the best draped figure from life, and a gold medal for the best nude figure from life.

The student who is regarded as showing the greatest improvement during the year receives a silver medal.

The award of all prizes is made by a jury specially chosen for this purpose, which inspects the drawings and paintings upon exhibition. The prizes are presented to the winners during Commencement week.

Those competitors whose work is regarded as next in excellence to that of the winner receive honorable mention.

In all classes in the Art School there is a monthly review of the work of the students and those subjects which deserve especial commendation receive a mark of honor.

NORMAL ART COURSE.

Courses in the Art School and the College have been combined so that they constitute a normal training for students who wish to become teachers of drawing. Applicants for admission to this course, who intend to become candidates for drawing certificates, must be at least 18 years of age, and must either be graduates of a high school or be able to show by examination that they possess an equivalent preparation. All applicants will be required also to pass an examination in drawing, set by the Director of the Art School. Students in the Normal Art Course are required to attend five whole-day sessions weekly (whole-day session, 6 hours), and also such sessions of the evening life classes and the Sketch Club as are designated by the Director. The course is for two years, and a diploma is awarded to those students who complete the work of the course satisfactorily. The fee for instruction in the Normal Art Course is \$75 a year, payable quarterly in advance. All students in this course may, at the discretion of the Director and Faculty, be required to attend courses of lectures upon Art that are among those delivered each year before the Brooklyn Institute.

Course of Study.

First Year.	Second Year.
Cast Drawing and Clay Modeling, 4 half-day sessions. Free-hand Perspective. Sketching and Composition, 3 half-day sessions. Instrumental Drawing, 1 half-day session. History of Art, 4 hours weekly. Psychology, 3 hours weekly. History and Theory of Education, 2 hours weekly.	Cast Drawing, 1 half-day session. Free-hand Perspective and Sketching, 2 half-day sessions. Composition, 2 half-day sessions. Water Color, 2 half-day sessions. Elementary Manual Training, 3 hours weekly. History of Art, 1 hour weekly. Psychology, 3 hours weekly. Pedagogics, 3 hours weekly.

For circulars and other information concerning the Adelphi Art Department and Normal Art Course, address the Director,

PROF. J. B. WHITTAKER,
Adelphi College,
Brooklyn.

Register of Students in the Art Department.

DAY CLASSES.

Ablitzer, Alfred G.	Klein, Henriette
Allaire, Louise	Knowles, Ethel H.
Barndollar, Clarence R.	Koch, William H.
Bellevue, Adrien	Leitner, Mrs. Annie
Billings, May H.	McAleer, Elsie
Bliss, Ethel	Mohrman, Henry
Bowly, Mary	More, Ethel
Braxton, Ernest W.	Pauley, Benjamin A.
Brown, Mabel E.	Pettiner, H. Jane
Buckman, Susan	Phelps, Mary F.
Burke, Julia A.	Pollock, Isabelle
Burtis, Ella M.	Puddington, Annie
Bush, Mrs. Estelle D.	Purdie, Grace D.
Chase, Cora E.	Ray, Edith
Conklin, J. Grace	Robinson, C. Marguerite
Darling, Anna M.	Rosenberg, Morris
Elmore, Clara V.	Ross, Harold D.
Fuller, Elsie	Seelbach, Frederick C.
Golder, Ethel L.	Shields, Eugenie
Grady, Agnes S.	Shoudy, Theodore
Greene, Carrie	Story, Wanda
Grubè, Arthur	Tyler, Eleanor W.
Guarino, Anthony,	Uhlig, Marie E.
Heggie, Laurie V.	Valentine, Anna K.
Hitch, Laura D.	Wallach, André
Holland, David B.	Williams, Ethel
King, Eleanora W.	Wright, Mrs. Nettie F.—54.

EVENING CLASSES.

Allaire, Louise	Jensen, C.
Arons, Joseph T.	Kahler, Frederick
Badger, Charles A.	Knowlton, Clifford
Bellevue, Adrien	Kranz, Frederick
Birgel, Theodore H.	Kurzenhauer, Jacob
Bisson, Benjamin R.	Lambert, Henry A.
Braxton, Ernest W.	Ledger, Marion
Capton, Harmon	Leibschcr, Gustave
Caswell, W.	Lester, Charles S.
Culbertson, J. M.	Lewis, Fred B.
Cumin, Daniel	Lockhart, Frank B.
Dickson, Helen	Lorch, Frederick
Dietsche, Adolphe	Macoy, Mary
Downs, Eunice M.	McKay, George
Durrant, Charles W.	Messmer, William
Dwelle, Vernon	Miles, Alberta
Eaton, Hugh M.	Molleson, F. H.
Eaton, Mrs. Hugh M.	Moore, Fred J.
Eilers, Emma	Nicholson, Henry M.
Evans, Mrs. Z. A.	Palmer, Lizzie M.
Farrell, Albert T.	Persick, Samuel
Fitzmaurice, Mrs. Charles	Piners, Edward
Foote, Lottie	Pollock, Isabelle
Fredericks, Minnie	Radcliffe, Vernon
Fuller, Arthur B.	Radcliffe, Mrs. W.
Furman, Arthur	Reiners, Robert W.
Gazan, Charles A.	Rice, Helen
Gregory, Julius	Roehrig, A.
Grubè, Arthur	Schnell, Amil H.
Grunewald, Charles	Speth, John
Guarino, Anthony	Thran, Maurice
Hack, Jacob	Tomlinson, Donald G.
Hammitt, Edwin A.	Van Altena, Mrs. V.
Hanlon, Louis	Van Everen, Jay
Hart, Charles E.	Wallach, André
Heath, Edda M.	Washburne, James H.
Herman, Max	Wheat, Donald G.
Holland, David B.	Wheat, Frank M.
Hughes, Charles A.	Whitmore, Olive B.—78.

THE SCHOOL OF MUSICAL ART.**Faculty.**

CHARLES HERBERT LEVERMORE, B.A., Ph.D.,

President, *ex-officio*.

HENRY GRANGER HANCHETT, M.D., A.G.O.,

Director, Analysis, Interpretation, The Pianoforte.

RAYMOND HUNTINGTON WOODMAN, A. G. O.,

Composition, Harmony, The Organ.

JOHN CORNELIUS GRIGGS, B.A., Ph.D., History of Music.

RENIE SCOVILLE BOICE (MRS. HENRY SMOCK BOICE),

Vocal Culture, Singing.

MARTIN W. BOWMAN, Voice Culture, Singing.

ELLEN HOLLY, The Pianoforte.

SUSAN SCOVILLE BOICE, Voice Culture, Clavier Technique.

CLARENCE DEVAUX-ROYER, The Violin.

MADELEINE W. COVERLEY, The Violin.

ELLEN AMEY, The Violin.

G. H. MATHER, Registrar.

Examiners for Certificates and Diplomas.

DR. WILLIAM MASON, The Pianoforte.

WILLIAM H. SHERWOOD, The Pianoforte.

MRS. GERRIT SMITH, Singing.

A. J. GOODRICH, Theory and Composition.

WILLIAM C. CARL, The Organ.

GUSTAV DANNREUTHER, The Violin.

COURSES OF STUDY.**I. COLLEGIATE. II. PRACTICAL. III. PROFESSIONAL.**

I. THE COLLEGIATE COURSE is wholly Theoretical or Analytical. It provides the options that will be accepted as counting toward Adelphi degrees. It affords a general knowledge of the structure and significance of Musical Art. It includes class work in Harmony, Counterpoint, Musical Analysis, Musical History, and attendance upon the Analytical Recitals. For details refer to "Courses of Study" Nos. 120, 121, and 122.

II. THE PRACTICAL COURSE consists of private instruction in Piano playing, Organ playing, Violin playing, and Singing; class instruction in Interpretation (for advanced pupils who are taking private lessons), in Sight-Playing of instrumental music, and in Keyboard Technique by the Virgil Clavier Method (for piano students only).

NO CLASSES IN PIANO PLAYING OR SINGING ARE CONDUCTED; all instruction in such subjects being given by PRIVATE LESSONS.

III. THE PROFESSIONAL COURSE comprehends both the preceding courses, and, in addition, class work under Adelphi Professors in Psychology (for teachers), Physics (Acoustics), German; and private work in advanced branches of musical theory, Canon, Fugue, Orchestration and Artistic Interpretation. All the instruction required for the attainment of the degree of Bachelor of Music by examination will be afforded to students who are in any of the prescribed courses in Adelphi College. Such instruction will be provided, subject to the approval of the faculty, among the options of the Junior and Senior years, to students who have previously accomplished the work prescribed for the Collegiate Course in Music.

ADMISSION AND GRADUATION.

Students desiring to enter the Collegiate or Professional Course should present themselves at the opening of the session in September. Those applying later for admission to classes will be required to pass examination on the work already accomplished.

Special students may be admitted at any time to private lessons, and also to any classes for which they may be prepared. They will be charged from the date of admission. Students in the School are eligible for membership in the glee clubs, under the direction of Professor John Hyatt Brewer.

Credentials stating the amount of work accomplished will be accorded to all students desiring them upon completion of not less than one year of satisfactory work in the school. By appearing before the examiners and satisfying them as to attainments their names may be secured upon such credentials.

Graduation will be accorded only upon the recommendation of the examiners, and will signify high attainments in a specialty and good general theoretical and practical knowledge of music. Those who specialize in piano playing will be expected to know at least a dozen compositions by Sebastian Bach, as many more by Emanuel Bach, Händel, Mozart, and Haydn; at least six Beethoven Sonatas, one of which must be the Waldstein Sonata or one as difficult, and not less than twenty compositions by standard modern composers of the grade of the Chopin Ballads and Scherzos, so that all may be played with artistic skill in public or to the examiner. In other practical branches a corresponding amount must be accomplished. Every candidate must possess a thorough knowledge of Harmony and Musical Analysis.

TEACHERS' CERTIFICATES will be granted to such persons as can bring acceptable testimony as to character and fitness for the work of teaching,

and pass examination before the Faculty and the Board of Examiners in at least three subjects taught in the school, one of which must be Harmony, and at least one other must be practical. The standard of examination will be similar to that required for graduation.

CONCERTS AND RECITALS.

The Director's Analytical Recitals are given at frequent intervals throughout the year. Artist Musicales are given occasionally before the School. Concerts of all kinds, of a very high grade and at unusually low prices of admission, are a special feature of the work of the Brooklyn Institute. Many other excellent opportunities are afforded not only in Brooklyn but in Manhattan for the study of music through public performances. Pupils of this School, who are competent, assist in public concerts and recitals. Those sufficiently advanced appear before the Interpretation Class and are there trained in public performance.

TERMS AND EXPENSES.

Each term of the School of Musical Art consists of eight school weeks. Lessons omitted on account of holidays will be made up. Lessons missed by pupils and time lost by their tardiness are forfeited. In case of protracted illness exceeding four weeks, and by notice given and arrangement made in advance, the *private* lessons lost may be postponed to another term, or one-half the loss will be borne by the School. Class lessons cannot be postponed or made up if omitted.

The right is reserved to withdraw any class herein announced, if less than six pupils apply for it at the opening of the term.

Unless otherwise specially arranged, all bills for tuition are for one full term of eight school weeks, and are due and payable to the Director strictly in advance at the time of registration or at the opening of a subsequent term. Music may be paid for when taken or on presentation of bill.

Pupils taking two or more classes in connection with lessons from the Director are allowed a considerable reduction in price.

RATES OF TUITION.

By the Term of Eight School Weeks. Payable Strictly in Advance.

	TO ADELPHIANS.	TO ALL OTHERS.
Analytical Recitals (Course of Four)...	\$0.	\$1.
Class Instruction.	4. 6. or 8.	7. 10. or 14.
Adelphi Required Theoretical Course (Classes).	10.	17.
Private Instruction (one hour weekly) ..	From 12. to 30.	From 16. to 48.
Examinations and Certificates.		From 10. to 30.

OFFICE HOURS.

The Director's office hours are at twelve, noon, on Tuesdays, Wednesdays, and Fridays. On Mondays and Thursdays he may be found at No. 136 Fifth Avenue, Manhattan. For further information address the Director,

DR. HENRY G. HANCHETT,
Adelphi College, Brooklyn,
New York City.

Register of Students in the School of Musical Art.

Baldwin, Frances N.	Nutting, Grace
Boice, Susan S.	Pettit, May
Colson, Sallie	Rose, Faunetta M.
Davis, Enoch	Snow, Carolyn
Dayton, Mae	Snow, Mildred
De Milt, Sinclair	Swezey, Christopher
Dodge, Grace I.	Swezey, Elsa
Glasson, T. Bath	Swezey, Mabel K.
Hopkins, Mary Murray	Taylor, Annie
Kayser, Sophie M.	Taylor, Elizabeth
McRae, Mrs. John S.	Thomas, Margaret G. (Mrs. H. C.)
Markell, Mrs. Ella E.	Wead, Charlotte E.
Martin, Ina	Wicks, Laura
Matson, Clarine V. B.	Wilson, Esther M. (Mrs. Floyd)
Merrick, Mrs. A. Marie	Zabriskie, Zayda—31.
Murphey, James M.	

**SUMMARY OF NUMBER OF STUDENTS IN ADELPHI COLLEGE
AND ITS SUBORDINATE DEPARTMENTS, EXCEPT
THE ADELPHI ACADEMY:**

Adelphi College.	197
Normal Course.	21
Art School.	162
School of Musical Art.	31
	411
Deduct for names inserted twice.	8
Total.	403

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Adelphi College

DEPARTMENTS AND SCHOOLS

1. *CLASSICAL COURSE*, Degree, B. A.
 2. *LITERARY COURSE*, = Degree, B. A.
 3. *SCIENTIFIC COURSE*, Degree, B. S.
 4. *NORMAL COURSE*
For Kindergartners and Art Teachers
 5. *ART SCHOOL*
 6. *SCHOOL OF MUSICAL ART*
-

For full information concerning these six departments
consult this catalog.

7. *ADELPHI ACADEMY*

A thorough preparatory school. For full
information concerning it send for the
Academy catalog * * * * *

For all catalogs and circulars address

THE REGISTRAR

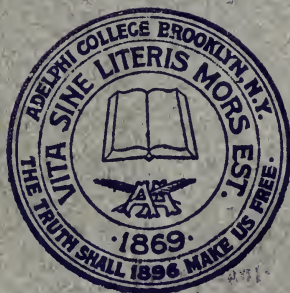
Adelphi College, Brooklyn

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Adelphi

College

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Catalog
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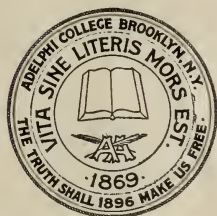


Thomas Adelle Clark

ADELPHI COLLEGE

CATALOG.

1903.



Lafayette Avenue, St. James Place and Clifton Place,
BROOKLYN, N. Y.

PUBLISHED FOR THE COLLEGE.

1903.

CALENDAR.

1903-1904.

Commencement. Tuesday, June 16, 1903.
 Entrance Examinations held at Adelphi
 College under the auspices of the College
 Entrance Examination Board..... Monday, June 15, to Saturday,
 June, 20, 1903.
 For terms, address: Sec. of Coll. Entr. Exam. Board,
 Sub-Station 84, New York City.
 Fall Term begins..... Wednesday, September 16, 1903.
 Entrance Examinations at the College..... September 16-18, 1903.
 Recitations begin. Monday, September 21, 1903.
 Second Term begins..... November 25, 1903.
 Third Term begins..... February 3, 1904.
 Fourth Term begins..... April 13, 1904.
 Commencement. Tuesday, June 14, 1904.

HOLIDAYS.

Thanksgiving Day and the following day.
 Christmas Recess..... Dec. 23, 1903, to Jan. 3, 1904, inclusive.
 (Exercises close at the end of the afternoon session, Tuesday, Dec. 22,
 1903. Exercises resumed at 8.50 A. M., Monday, January 4, 1904.)
 Spring Recess..... April 1, 1904, to April 10, 1904, inclusive.
 (Exercises close at the end of the afternoon session, Thursday, March
 31, 1904. Exercises resumed at 8.50 A. M., Monday, April 11.)
 All legal holidays are observed.

OFFICE HOURS.

The President, daily, on and after September 15, 9.15 to 10.30 A. M.
 The Bursar, session days, on and after September 15, 9 A. M. to 12 M.;
 2 P. M. to 4 P. M.
 The Dean of the college women, from 2 P. M. to 3.30 P. M., session
 days except Tuesday; Tuesday—2.45 P. M. to 3.30 P. M., Room 51.

Superintendent of the Normal course. For teachers and students, Mondays, 4 to 5 P. M., Room 1. For the public, Wednesdays, 2 to 3 P. M., Room 1.

The Secretary of the Faculty, Fridays, 2.30 to 4 P. M., in the Library.

Directors of Physical Education: Dr. Pettit, every morning, except Saturday, 8.30 to 9.15; Thursdays and Fridays, 2 to 3 P. M.; Miss Flagler, Mondays and Wednesdays, 11 A. M. to 12 M.

The Art School is open to visitors for inspection on Wednesday mornings.

The Library is open session days, 8.30 A. M. to 5 P. M.

The Gymnasium is open session days, 9 A. M. to 5 P. M.; Saturdays, at the pleasure of the Director, 9 A. M. to 12 M.

The Registrar's office, Lafayette Avenue entrance, is open daily from 8.20 to 4.30, on and after September 15th, except on holidays and during the usual recesses of the school. From the first of September until the Monday before the beginning of the Fall term, the Registrar's office is open mornings only from 8.30 A. M. to 12 M.

For catalogs and other information address "The Secretary, Adelphi College, Brooklyn."

BOARD OF TRUSTEES.

Names, except that of the President, in order of seniority.

TIMOTHY L. WOODRUFF, <i>President</i>	94	Eighth Avenue.
REV. CHARLES W. HOMER, D.D.....	73	St. James Place.
HAYDEN W. WHEELER, <i>Treasurer</i>	274	Washington Avenue.
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JOHN A. TAYLOR.....	159	South Oxford Street.
CHARLES H. LEVERMORE.....	30	St. James Place.
JEROME E. MORSE.....	129	St. James Place.
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JOHN C. KELLEY.....	247	Hancock Street.
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MATTHEW HINMAN.....	480	Vanderbilt Avenue.
HENRY U. PALMER.....	216	Clinton Avenue.
MARY E. BUTTERICK.....	406	Franklin Avenue.
JESSE JOHNSON.....	308	Clinton Avenue.
WILLIAM G. GILMORE.....	24	Prospect Park West.
DAVID H. VALENTINE.....	188	Hancock Street.
BIRD S. COLER.....	244	Hancock Street.
EDMUND H. DRIGGS.....	940	Ocean Avenue.
FREDERICK E. CRANE, <i>Secretary</i>	854	Prospect Place.
WILLIAM A. JAMISON.....		Hotel Margaret.
REV. S. PARKES CADMAN, D.D	2	Spencer Place.

OFFICERS AND COMMITTEES.

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ROBERT D. BENEDICT.....*Vice-President.*
HAYDEN W. WHEELER.....*Treasurer.*
FREDERICK E. CRANE.....*Secretary.*

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Committee on Buildings and Grounds: HAYDEN W. WHEELER, AMELIA B. HOLLENBACK, DAVID H. VALENTINE, WILLIAM A. JAMISON.

Art School Committee: MATTHEW HINMAN, MARY E. BUTTERICK, AMELIA B. HOLLENBACK, JOHN C. KELLEY, JESSE JOHNSON.

OFFICERS OF INSTRUCTION AND GOVERNMENT.

FACULTY.

(NAMES OF THE FACULTY, EXCEPT THAT OF THE PRESIDENT, STAND IN ORDER OF APPOINTMENT TO PROFESSORSHIPS OR ASSISTANT-PROFESSORSHIPS.)

CHARLES HERBERT LEVERMORE, B.A. (Yale, '79),
Ph.D. (Johns Hopkins, '86), President.

FREDERICK WEBSTER OSBORN, B.A., A.M. (Yale, '55, '58),
Professor of Psychology and Philosophy.

WILLIAM CLARK PECKHAM, B.A., A.M. (Amherst, '67, '70),
Professor of Physics.

JOHN BARNARD WHITTAKER, Professor of Painting and Drawing,
Superintendent of the Art School.

WILLIAM WALDEMAR SHARE, Ph.B., Ph.D. (Columbia, '81, '84),
Professor of Chemistry and Geology.

HENRY STOUT PETTIT, M.D. (L. I. College Hospital, '90),
Director of the Gymnasium and Professor of Physical Culture.

WILLIAM CRANSTON LAWTON, B.A. (Harvard, '73),
Professor of the Greek Language and Literature.

ELIZABETH VENABLE GAINES, B.A. (Adelphi, '98),
Professor of Biology.

VIOLETTE EUGENIE SCHARFF, B.A. (Adelphi, '00),
Professor of the French Language and Literature.

JOHN A. SANFORD, B.A. (Brown, '82), Ph.D. (Univ. of Minn., '94),
Professor of the Latin Language and Literature.

MAX FRIEDRICH BLAU, Ph.D. (Leipzig, '88),
Professor of the German Language and Literature.

JOSEPH BOWDEN, B.A., Ph.D. (Yale, '91, '97),
Professor of Mathematics.

HENRY GRANGER HANCHETT, M.D. (N. Y. Hom. Med. Coll., '84),
Professor of Theoretical Music and Director of the School of Musical Art.

HORACE HUMBOLDT HOWE, Ph.B. (Syracuse, '79),
M.A. (Stanford, '96),
Professor, and Superintendent of Academic Department.

JOHN HYATT BREWER, F.A.G.O., Professor of Vocal Music.

ADELBERT GRANT FRADENBURGH, B.A. (Allegh. Coll., '90),
Ph.D. (Univ. Wis., '94),
Professor of History and Politics, and Secretary of the Faculty.

FACULTY—Continued.

- ANNA E. HARVEY,
Superintendent of Normal Course for Kindergartners
and Professor of Froebelian Methods.
- LOUISE CHARVET,
Assistant Professor of the French Language and Literature.
- ANNA M. REINER,
Assistant Professor of the German Language and Literature.
- ERNEST NORTON HENDERSON, B.A., M.A. (Univ. of Cal., '93, '94),
Assistant Professor of Pedagogy.
- CHARLES MONTGOMERY HATHAWAY, JR., B.A., Ph.D.
(Yale, '99, '02),
Assistant Professor of the English Language and Literature.
- WILLIAM PHELPS MACFARLANE,
Assistant Professor of Oratory and Elocution.
- ALICE BLYTHE TUCKER, B.A., M.A. (Toronto, '96, '00),
Dean of Women Students, and Instructor in English.

INSTRUCTORS.

- LOUISE BOTH-HENDRIKSEN, Instructor in the History of Art.
- FREDA M. BRUNN (Teachers' College, '97), B.A. (Adelphi, '99),
Instructor in Psychology.
- MME. J. L. A. CREUSE, Instructor in French.
- WILLIAM OLIVER EASTON, B.A. (Wittenberg, '93),
Instructor in History and Sociology.
- MARGARET GROTE ELLIMAN, B.A. (Barnard, '02),
Assistant in English.
- FRANCES H. FLAGLER, Instructor in Physical Culture.
- CAROLYN STANFORD KIBBE, Instructor in Music (Normal).
- L. LELAND LOCKE, B.A., M.A. (Grove City Coll., '96, '00),
Instructor in Mathematics.
- NELLIE LOUISE ROETHGEN,
Assistant in the Department of Pedagogics.
- SARAH ELIZABETH SCOTT, M.A. (Adelphi, '98),
Instructor in Pedagogics.
- ANNA GERTRUDE MORSE, Instructor in Drawing (Normal).

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- | | | | | | | | |
|--------------------|---|---|---|---|---|---|-------------------|
| CHARLOTTE MORRILL, | . | . | . | . | . | . | <i>Bursar.</i> |
| MABEL FARR, | . | . | . | . | . | . | <i>Librarian.</i> |
| MAY M. HALL, | . | . | . | . | . | . | <i>Registrar.</i> |
| GEORGE H. TURNER, | . | . | . | . | . | . | <i>Secretary.</i> |

ADELPHI COLLEGE.

Adelphi College was incorporated by the unanimous vote of the Regents of the University of the State of New York, at Albany, Wednesday, June 24, 1896. The degrees issued by Adelphi bear the seals of both the University and the College, and are signed by the Chancellor and Secretary of the Board of Regents, as well as by the officers of the College.

A junior college certificate is granted at the close of the Sophomore year to all students who have satisfactorily completed all the prescribed work of the first two college years.

Students who complete the required amount of work in either the Language or the Literary Course, to the satisfaction of the Faculty, will receive the degree of Bachelor of Arts; in the Scientific Course they will, under similar conditions, receive the degree of Bachelor of Science. All courses in Adelphi College are open to women.

From fourteen to eighteen hours a week of class-room work, exclusive of laboratory hours and of time for physical culture, are required in each of the first two years. In each of the Junior and Senior years, twelve hours a week of class-room work are required. All choice of optional studies is subject to the approval of the Faculty. The students in the Scientific Course who wish to make a more technical study of the sciences than is outlined in the Conspectus can do so under the direction of the Faculty.

To students who intend to become teachers, the college courses offer especial advantages in the pedagogical options, which permit a student to present studies preparatory for teaching, as a part of the work leading to a degree. Students who complete satisfactorily these pedagogical studies and win the Bachelor's degree can gain admission directly to the city examinations for licenses to teach in the public schools.

All the work of the Adelphi Normal Course for kindergartners has also been included among the options offered during the last two years of the college course.

TERMS OF ADMISSION.

Applicants for admission to the Freshman Class in Adelphi College, in any one of the three courses, must be at least fifteen years of age and be able to pass satisfactory examinations in the subjects required for admission to the desired course.

The Entrance Examinations in June are those held at Adelphi College under the auspices of the College Entrance Examination Board, June 15-20, 1903. Applications for admission to these examinations should be filed with the Secretary of that Board on or before June 1st. If, however, admission is desired to examinations held by the Board outside of New England, the Middle States, or Maryland, the application must be filed on or before May 25th. For blank forms of application and for a complete list of places of examination, address (inclosing return postage) the

SECRETARY OF THE COLLEGE ENTRANCE EXAMINATION BOARD,
POST OFFICE SUB-STATION 84,
NEW YORK, N. Y.

Entrance Examinations in September will be held at the College on Wednesday, Thursday and Friday, Sept. 16-18, beginning at 9 A. M. Applications for admission to these examinations should be sent to THE REGISTRAR, Adelphi College, on or before Monday, September 14.

Special students of a mature age, not candidates for a degree, may be admitted to courses of study which they are competent to pursue, upon presentation of satisfactory evidence of proficiency.

Candidates for admission to advanced standing will be required to pass satisfactory examinations upon the work already accomplished by the class to which they wish to be assigned.

ORDER OF ENTRANCE EXAMINATIONS.

September 16, 17, 18, 1903.

FIRST DAY. WEDNESDAY.

Cæsar and Cicero.	9.00—10.30
English History.	10.30—12.00
Chemistry, Scientific Course.	10.30—12.00
Anabasis.	10.30—12.00
Vergil and Sight Reading.	1.00— 3.00
German.	3.00— 4.30

SECOND DAY. THURSDAY.

English.	9.00—10.30
Iliad and Sight Reading.	10.30—12.00
Physics, all Courses.	10.30—12.00
Algebra.	1.00— 3.00
United States History.	3.00— 4.30

THIRD DAY. FRIDAY.

Geometry.	9.00—11.00
Physiology.	11.00—12.00
Solid Geometry.	11.00—12.00
French.	1.00— 2.30
College Algebra and Plane Trigonometry.	2.30— 4.30
Ancient History.	2.30— 4.00

I. ENGLISH.

NOTE—No candidate will be accepted in English whose work is notably deficient in point of spelling, punctuation, idiom, or division into paragraphs.

The candidate may offer preparation in the uniform college entrance requirements in English, as follows:

1. *Reading.* The candidate will be required to present evidence of a general knowledge of the subject matter of the books here named and to answer questions concerning the lives of the authors. The form of the test will usually be the writing of paragraphs upon chosen topics.

In connection with these tests, the candidate may present an exercise-book, properly certified by an instructor, containing compositions or other written work done in connection with the reading of the books. The books set for this part of the examination are:

In 1903, 1904, 1905: *Ivanhoe*; *The De Coverley Papers*; *The Vicar of Wakefield*; *The Princess*; *The Ancient Mariner*; *Silas Marner*; *The Merchant of Venice*; *Julius Cæsar*; *The Vision of Sir Launfal*; *Carlyle's Essay on Burns*.

In 1906: *Shakspeare's Macbeth* and *The Merchant of Venice*; *The Sir Roger De Coverley Papers*; *Irving's Life of Goldsmith*; *Coleridge's The Ancient Mariner*; *Scott's Ivanhoe* and *The Lady of the Lake*; *Tennyson's Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; *Lovell's The Vision of Sir Launfal*; *George Eliot's Silas Marner*.

2. This part of the examination presupposes a more careful study of each of the works named below. The examination will be upon subject matter, form, and structure.

In 1903, 1904, 1905: *Macbeth*; *Burke's Speech on Conciliation with America*; *Macaulay's Essays on Milton and Addison*; *Milton's Minor Poems* (*Comus*, *Lycidas*, *L'Allegro*, *Il Penseroso*).

In 1906: The same books as in the foregoing list, excepting that Shakspeare's Julius Cæsar is to be substituted for Macbeth, and Macaulay's Life of Johnson is to be substituted for the essay on Addison.

2. FRENCH.

a. Minimum requirement. A knowledge of fundamental principles of grammar; as, rules for the formation of the plural and of the feminine in nouns and adjectives, the use of the articles, the place of the pronouns, and the regular and irregular verbs. Reading of two French books, as "Colomba," by Merimée; "L'Abbé Constantin," by Halévy; and of two plays arranged by Bôcher, such as "Mademoiselle de la Seiglière," by J. Sandeau; and "Le roman d'un jeune homme pauvre," by Feuillet. Equivalents may be offered.

b. Maximum requirement. A thorough knowledge of French grammar; use of the tenses, rules for the subjunctive and for the past participle, government of verbs, formation of adverbs, French idioms.

Reading: "Le Pêcheur d'Islande," Loti; "La Mare au Diable," G. Sand; "La Belle Nivernaise," Daudet; "La Tulipe Noire," Dumas; "Histoire de France," Ducoudray; "Quatre-vingt-treize," V. Hugo. *Composition,* based upon the books read. Ability to take part in recitations conducted in French. Equivalents may be offered.

3. GERMAN.

a. Minimum requirement. The rudiments of Grammar (Joynes-Meissner; Thomas), including irregular verbs, elementary rules of syntax, and word order. Translation at sight of German into English and English into German.

Reading: Brandt's Reader; Bernhardt's Novelletten; Storm's Immensee; or Riehl's Der Fluch der Schönheit. Equivalents may be offered.

b. Maximum requirement. An accurate knowledge of the principles of grammar, embracing inflections and syntax, the composition of words, the force of prefixes and suffixes, and the relation of the English and German consonantal changes. Sight translation. Ability to take part in recitations conducted in German. Reading of the following books: Lessing's Minna von Barnhelm; Schiller's Wilhelm Tell; Freytag's Aus dem Staat Friedrichs des Grossen; Goethe's Hermann und Dorothea. *Composition* based on the books read, or Harris's Prose Composition. Equivalents may be offered.

4. GREEK.

Xenophon's Anabasis, 4 books; Homer's Iliad, 3 books; sight reading; Woodruff's Prose Composition.

5. LATIN.

Cæsar, 4 books or its equivalent; Cicero, 7 orations,—the oration on the Manilian Law to count as two; Vergil, *Æneid*, 6 books. Prose composition based upon Cæsar and Cicero. Sight reading.

6. HISTORY.

- a. Ancient History to the fall of the Roman Empire in the West.
- b. United States History.
- c. English History.

7. MATHEMATICS.

- a. Algebra, through Quadratics and Progressions; Plane Geometry.
- b. Advanced Algebra, or Solid Geometry.

8. SCIENCE.

- a. Physiology, including Elementary Biological Study.
- b. Elementary Chemistry, metals and non-metals.
- c. Elementary Physics; introductory course may be covered in four weekly exercises for one semester with laboratory practice.
- d. Elementary Physics, at least one year's study, five hours weekly, with laboratory practice.

Requirements for Admission to Each Course.

Of the subjects, numbered from 1 to 8, all candidates must be prepared to pass satisfactory examinations in the following:

English, 1; and Mathematics, 7, *a*, Algebra and Plane Geometry.

In addition, candidates for admission to either the Language Course or the Literary Course must be prepared in one of the following groups of subjects:

Group 1, Ancient History, 6, *a*; Latin, 5; Greek, 4; and either French or German minimum requirements, 2, *a*, or 3, *a*.

Group 2, Ancient History, United States History, and English History, 6, *a*, *b*, *c*, or other historical subjects which have been studied throughout two school years on a basis of four recitations a week; Science, Physiology, 8, *a*, and Elementary Physics, briefer course, 8, *c*; Languages, any two of the following: French, maximum requirement, 2, *b*, German, maximum requirement, 3, *b*; Greek, 4; Latin, 5.

For the Scientific Course, the additional requirements are: United States History, 6, *b*; Science, Chemistry, 8, *b*, and Physics 8, *d*; Mathematics, Advanced Algebra, or Solid Geometry, 7, *b*; Languages, any one of the following: Latin, 5; French, maximum requirement, 2, *b*; German, maximum requirement, 3, *b*.

ADMISSION BY CERTIFICATE.

Preparatory schools which have received from the Faculty of Adelphi College the right of certification may issue to their students, who are candidates for admission to Adelphi College, certificates of scholarship which shall exempt the candidates from examination in the subjects satisfactorily covered by the certificate.

The Registrar of the College will furnish to the Principal of the preparatory school blank forms of the certificate to be used. All such certificates should be certified to and signed by the Principal of the school, or by responsible instructors in said school. The certificate should state explicitly under each subject of study the text-books used, the extent of the work done, the time devoted to it, with dates, and the amount of laboratory work, if any, performed. For subjects in Science the certificates must be accompanied by laboratory note-books.

COURSES OF STUDY.

Department of the English Language and Literature.

For students who follow the study of English only in Freshman and Sophomore years, the chief purpose of the English courses is to arouse an interest in literature and to teach the best methods of studying it. For students who take also the work of the Junior and Senior years it is intended to fill out the outline of English literature and to give opportunity for acquiring familiarity with the older forms of the language.

1. REPRESENTATIVE MASTERPIECES, such as Tennyson's *Idylls of the King*, Ruskin's *Sesame and Lilies*, Carlyle's *Heroes and Hero Worship*, selected essays of Emerson or Lowell. First semester, two hours a week, Miss TUCKER.

2. SHAKSPERE. Five plays are read, two of which are studied in detail. This year *Romeo and Juliet* and *Othello* are made the basis for this intensive study. Dowden's *Shakspeare Primer*. Second semester, two hours a week. Miss TUCKER.

3. RHETORIC. A course in practical composition. Discussion of the theory of composition based on Baldwin's *College Manual of Rhetoric*. Essays with regular appointments for the individual criticism of each. Class room themes, and, for a portion of the year, daily themes. One hour weekly. Asst. Prof. HATHAWAY and Miss ELLIMAN.

Courses 1, 2, and 3 are required for Freshmen of the literary course and for Sophomores of the scientific course.

4. ENGLISH LITERATURE. A general outline study of the history of English Literature. For the earliest literature Lewis's *The Beginnings of*

English Literature is used. The later history is studied as it is illustrated in the writings of standard authors. This study is supplemented by lectures and discussions. The principal authors read are: Spenser, *Fairie Queene*, Book I. Shakspeare, *King Lear*, *Henry IV*, Pt. I, *Hamlet*. Milton, several of the Minor Poems and four books of *Paradise Lost*. Addison, selected essays from the *Spectator*. Pope, *Rape of the Lock*. Swift, *Gulliver's Travels*, and selected essays. Gray, selections from his poetry and letters. Macaulay, essay on *Dr. Johnson*. Sheridan, *The School for Scandal*. Sophomore year, first semester, four hours a week. Asst. Prof. HATHAWAY.

5. ENGLISH POETRY FROM ANNE TO VICTORIA. The course aims to illustrate the change which came over English poetry during the eighteenth and early nineteenth centuries. Thomson, Collins, Cowper, Burns, Wordsworth, Byron, Keats, Coleridge, Shelley, and others are read. Junior year. three hours a week. Asst. Prof. HATHAWAY.

7. MODERN ENGLISH LITERATURE, from 1832. Among the authors to be read are Carlyle, Emerson, Ruskin, Lowell, Dickens, Thackeray, Eliot, Hawthorne, Tennyson, Browning, Arnold, Rossetti, Clough, Morris, Swinburne, Fitzgerald. Senior year, three hours a week. Miss TUCKER.

9. OLD ENGLISH, from the beginning to 1200 A.D. An elementary course in the beginning and earlier development of the English language and literature. The study is made as literary as is consistent with the acquisition of a solid reading knowledge of the language. Two hours a week. Asst. Prof. HATHAWAY.

10. MIDDLE ENGLISH. A survey of English literature from 1200-1500. Chaucer is studied carefully. Attention is also given to the development of the language, to Langland, Mandeville, the romancers, etc. Two hours a week. Asst. Prof. HATHAWAY.

Courses 9 and 10 are given in alternate years. They are open to Juniors and Seniors.

11. REPRESENTATIVE MASTERPIECES. Tennyson, *Idylls of the King*, and shorter poems. Selected essays of Carlyle, Ruskin, Emerson, and Arnold. Freshman year; first semester, three hours a week. Miss TUCKER.

12. SHAKSPEARE AND MILTON. *Paradise Lost*, Books I and II; *Romeo and Juliet*, *Othello*, Palgrave's *Golden Treasury*, Dowden's *Shakspeare Primer*. Freshman year; second semester, three hours a week. Miss TUCKER.

Courses 11 and 12 are substituted for courses 1 and 3 and 2 and 3 respectively by students registered in teachers' courses.

13. SHAKSPEARE AND THE DRAMA. Nearly all the works of Shak-

sphere and a considerable number of plays of other dramatists are read. The development of the English drama from the mystery plays is outlined and some account given of the work of Shakspeare's predecessors and contemporaries. The reading of plays will be supplemented by lectures. Sophomore year, four hours a week. Asst. Prof. HATHAWAY.

Course 13 is substituted by students registered in teachers' courses for courses 4 (English) and 47 (History of Art).

Department of the French Language and Literature.

15. SEVENTEENTH CENTURY FRENCH LITERATURE. Lectures: Spanish and Italian influences; rise of the French Drama; development of the French Tragedy; Comedy in France; influence of the Church. Readings from the works of Corneille, Racine, Molière. Four hours a week. Prof. SCHARFF.

16. LITERATURE OF THE NINETEENTH CENTURY. Lectures: The Revolution and Empire; the religious renaissance; German and Italian influences; Romanticists and Classicists. Readings from the works of George Sand, A. de Vigny, Chateaubriand, A. de Musset, Le Sage, Victor Hugo, Dumas, Taine. Four hours a week. Asst. Prof. CHARVET.

17. LITERATURE OF THE EIGHTEENTH CENTURY. Comparative study of the literature of the Seventeenth, Eighteenth, and Nineteenth Centuries. Lectures: English influence; Voltaire's destructive and constructive work; the Encyclopædists; Rousseau's influence and theories of education; diffusion of the philosophical spirit. Collateral readings. Three hours a week. Prof. SCHARFF.

18. ORIGINS OF FRENCH LITERATURE. Lectures: General View of the Sixteenth Century; comparison of the French and Italian Renaissance; the period of the Reformation; French Language in the Sixteenth Century. Readings from contemporary literature: Balzac, Guizot, Daudet, Loti. Three hours a week. Prof. SCHARFF.

Students who wish to begin French after entering College will be assigned to classes in the usual introductory work.

Department of the German Language and Literature.

20. SCHILLER AND GOETHE. Ballads. Dramas (Jungfrau von Orleans, Iphigenie). Prose works (Geschichte des dreissigjährigen Krieges. Dichtung und Wahrheit). Prose composition. Essays. Freshman year, four hours a week. Prof. BLAU.

21. GERMAN LITERATURE OF THE EIGHTEENTH CENTURY AND ITS HIS-

TORY. (Emilia Galotti, Egmont, Tasso, Wallenstein, Laokoon.) Lectures. Prose Composition. Essays. Sophomore year, four hours a week. Prof. BLAU.

22. GERMAN LITERATURE OF THE NINETEENTH CENTURY AND ITS HISTORY. Lectures (in German). Collateral reading of selected works of Kleist, Uhland, Grillparzer, Heine, Immermann, Hebbel, Ludwig, Freytag, Scheffel, Keller, and others. Essays. Junior year, three hours a week. Prof. BLAU.

23. SENIOR STUDIES. *a.* Goethe's Faust. Lectures in German. Prose Composition. Essays. First half year.

b. Elements of Middle High German. (Wright's Primer, Paul's Grammar; Bartsch's Nibelungenlied). Lectures in German. Essays. Prose Composition. Second half year.

Senior year, three hours a week. Prof. BLAU.

Students who wish to begin German after entering College will be assigned to classes in the usual introductory work.

Department of the Greek Language and Literature.

25. ATTIC PROSE AUTHORS—SELECTIONS. References: Dyer's Apology and Crito; Morgan's Lysias. Freshman year, first semester, four hours a week. Prof. LAWTON.

26. HOMER. Later books of Iliad, selections, or Odyssey, V—VIII. References: Perrin's Odyssey, V—VIII; Lawton's Art and Humanity in Homer. Freshman year, second semester, four hours a week. Prof. LAWTON.

27. DRAMA. One play each of Æschylus, Sophocles, Euripides, Aristophanes. Lectures. Sophomore year, four hours a week. Prof. LAWTON.

28. ATTIC PROSE. Thucydides, Plato, Demosthenes, selections. References: Morris' Thucydides, I; Towle's Protagoras; Tarbell's Demosthenes. Junior year, three hours a week. Prof. LAWTON.

29. GENERAL HISTORY OF GREEK LITERATURE, with readings from the less familiar authors. References: Jevons' History of Greek Literature, or Jebb's Spirit of Greek Literature. Senior year, three hours a week. Prof. LAWTON.

Department of the Latin Language and Literature.

30. LIVY. Books XXI and XXII, selections, with Latin Prose based thereon. Freshman year, Language and Literary Courses; first semester, four hours a week. Prof. SANFORD.

31. **HORACE.** Selected epodes and odes. Autobiographical extracts from the satires and epistles. Lectures on Augustan age and Horace's life. References: Sellar's Roman Poets of the Augustan age, Martin's Horace. Shorey's Horace. Freshman year, Language and Literary Courses; second semester, four hours a week. Prof. SANFORD.

32. **EARLY LATIN.** Catullus and Lucretius, selections. Plautus; Captivi, Trinummus, Miles Gloriosus; Terence: Andria. References: Sellar's Latin Poets of the Republic, Merrill's Catullus, Kelsey's Lucretius. Sophomore year, Language and Literary Courses, four hours a week. Prof. SANFORD.

33. **SILVER LATIN.** Juvenal, Pliny, Quintilian, Martial, Tacitus, selections. Junior year, three hours a week. Prof. SANFORD.

34. **LECTURES ON THE LIFE OF THE LATIN LANGUAGE AND LITERATURE,** with readings from less familiar authors and fragments of lost works. References: Cruttwell's or Tyrrell's Latin Literature, Merry's Selections from Latin Poets. Senior year, three hours a week. Prof. SANFORD.

35 and 36. **ITALIAN OR SPANISH.** Classes to acquire a practical knowledge of these languages or to study their literature can be formed as optional classes in place of any other modern languages in any year of the College course, or in place of the Latin of either one of the last two years. Such a class should consist of at least five students, and the choice of such an option must, as is usual in such cases, receive the approval of the Faculty.

Department of History and Politics.

40. **MEDLÆVAL HISTORY.** The origin and development of feudal society and institutions, the political history of Central and Southern Europe to the close of the Thirty Years' War. References: Adams' Civilization in the Middle Ages, Duruy's History of the Middle Ages, Emerton's Introduction to the Middle Ages and Mediæval Europe, "Epochs of Modern History" Series. Freshman year, all courses; first semester, four hours a week. Dr. FRADENBURGH.

41. **HISTORY OF THE RENAISSANCE.** A study of the social, religious, and political issues of the age of the Renaissance, the fifteenth and sixteenth centuries. References: Bryce's Holy Roman Empire, Milman's Latin Christianity, Spaulding's History of the Protestant Reformation, Haeusser's Period of the Reformation. Freshman year, all courses; second semester, four hours a week. Dr. FRADENBURGH.

42. **ENGLISH HISTORY.** A study of political and social progress. References: Green's Shorter History of the English People, Macaulay's

History, Lecky's *England in the Eighteenth Century*, McCarthy's *History of Our Own Time*. Sophomore year, all courses; first semester, three hours a week. Dr. FRADENBURGH.

43. HISTORY OF FRANCE, from the age of Richelieu to the French Revolution. The Ancient Régime and its successor. References: S. R. Gardiner's *Thirty Years' War*, Duruy's *History of France*, Airy's *The English Restoration and Louis XIV*, Morris' *The Age of Anne*, Morris' *The French Revolution and First Empire*, Taine's *Ancient Régime and Modern Régime*, Kitchin's *History of France*. Sophomore year, all courses; second semester, three hours a week. Dr. FRADENBURGH.

44. AMERICAN HISTORY. A topical study of American History, with a comparison of political systems. References: Fiske's *Beginnings of New England*, and *Critical Period of American History*, Schouler's *History*, and Wilson's *The State*, Hart's *Epoch Series*, and Scribner's *American History Series*. Senior year, all courses; second semester, three hours a week. ——— ———.

45. HISTORY OF THE NINETEENTH CENTURY. Topical studies in modern history. The age of the establishment of parliamentary government and of racial consolidation. References: The *International Statesmen Series*, Seignobos' *Political History of Europe since 1814*; Muller's *Political History of Recent Times*, Andrews' *Historical Development of Modern Europe*. Senior year, first semester, all courses; three hours a week. ——— ———.

46. SOCIAL HISTORY. The origin and growth of society as disclosed in the development of the family and of civil and religious institutions. Text-books: Tylor's *Anthropology* and Morris' *Aryan Race*, with readings from Lubbock, Tylor, and Giddings. Junior year, all courses; second semester, three hours a week. Dr. FRADENBURGH.

47. HISTORY OF ART. An examination into the rise and progress of Ancient and Classic Art and the evolution of the Fine Arts in modern times, illustrated by pictures, lantern slides, and collateral readings. Text-book: D'Anvers' "*History of Art*." References: Vasari's "*Lives of the Painters*"; Ruskin's "*Modern Painters*" and "*Stones of Venice*," with other works of reference and periodicals in the Library. Sophomore year, Language and Literary Courses; second semester, four hours a week. Miss BOTH-HENDRIKSEN.

(a) *History of Painting* (twice a week).—Egyptian, Assyrian, Greek, Roman and Byzantine.

Italian Art.—Early renaissance, development and golden age.

Venetian Art.—Its growth, truth and splendor.

Art in Flanders and in Holland.—Likeness and difference.

Art in France.—Peculiar influences and steady development. The four great periods.

Art in Spain.—Mysticism and Realism.

Art in Germany.—Causes of uneven development. Early period; late period.

Art in England.—Reasons for its late development. Tendency to social satire, portraiture and landscape.

(b) *History of Architecture and Sculpture* (twice a week).—Egyptian and Assyrian temples, tombs and palaces. Greek temples, orders and carving. Periods of Phidias, Praxiteles and Alexander. Roman architecture; Early Christian, Byzantine and Romanesque styles. Gothic style and sculpture: Pointed arch superseding the round arch. Decadence: Renaissance architecture and sculpture.

48. THEORY OF ART AND SPECIAL STUDY OF NINETEENTH CENTURY ARTISTS. Beauty in Art. Unity, its application to expression. Principles of Construction: The lintel, column, arch. Art in house-building. Application of Ornament. Etching, Engraving, Lithography, Perspective, Composition. The Human Form in Art. Art in Costume. Chiaroscuro, tone, color, value, touch. Kinds of pictures: Still life, genre, portrait, landscape, marine, devotional, historical. Critical study of contemporary artists of different nations. Junior year, Literary Course, lectures once a week. Miss BOTH-HENDRIKSEN.

49. SOCIOLOGY. A study of social institutions with special reference to American conditions. Social problems and proposed solutions. Among the subjects discussed are: Immigration, Problems of City Life, Employment of Women and Children, Factory Legislation, Defective and Delinquent Classes, Socialism. References: Ward's Outlines of Sociology, Fairbank's Introduction to Sociology, Wright's Practical Sociology, Blackmar's History and Sociology, Spencer's Principles of Sociology, Giddings' Elements of Sociology, Smith's Statistics and Sociology. Junior year, all courses, two hours a week. Mr. EASTON.

50 and 51. BIBLICAL LITERATURE AND HISTORY. It is proposed to offer two courses on this subject, one dealing chiefly with the literature and history of the Old Testament, the other, with similar material in the New Testament, and both completing a survey of the whole Bible.

It will be the aim of the former course to investigate the facts and forces that distinguish Israelitish history and literature, and of the latter to trace the origin and growth of Christian institutions and doctrines to the close of the first century.

Such a study should give the student a larger and more exact knowledge of the Bible and make possible a more intelligent appreciation of its influence upon the life of the world.

The following topics will be included in these courses :

COURSE 50. THE HISTORY OF THE BIBLE. (a) The Old Testament. (b) The New Testament. Manuscript copies. The most important versions. Authenticity of these writings. The English Bible. An outline of Old Testament history to the Exile. The Geography of Syria. The history of the Semitic peoples and of other nations in contact with the Hebrews. Jewish institutions, religious, political and economic. Two hours a week, open to Juniors and Seniors. Prof. OSBORN.

COURSE 51. JEWISH HISTORY FROM THE EXILE TO THE COMING OF JESUS CHRIST. Palestine in the time of Christ. The development of the Messianic idea among the Jews. An outline of the life of Jesus Christ. The apocryphal literature of the Old and New Testaments. The origin and development of the Christian church during the first century.

The lectures and reading will be regarded as an introduction to a careful study of some part of the Old and of the New Testaments. Two hours a week. Open to those who have completed Course 50. Prof. OSBORN.

Department of Economics.

52. OUTLINES OF ECONOMICS. A general introduction to the study of Economics with the design to familiarize the student with the fundamental principles of the subject. These are examined and illustrated by reference to past and present industrial life in England and the United States. Text-book: Bullock's Introduction to the Study of Economics, supplemented by collateral reading. Recitations, discussions, lectures. Junior year, all courses; first semester, three hours a week. Dr. FRADENBURGH.

53. ECONOMIC HISTORY. A study of the evolution of industrial life, principally in England and the United States, with references for sake of comparison to contemporary conditions on the continent of Europe. Lectures, readings, reports. References: Cunningham's Growth of English Industry and Commerce. Gibbins' History of Commerce in Europe. Toynbee's The Industrial Revolution. Ashley's Introduction to English Economic History and Theory. Senior year, all courses; first semester, three hours a week. ——— ———.

54. PRACTICAL ECONOMICS. This course deals principally with problems of distribution. The leading topics are: The evolution of labor and

capital; wages; labor organization, arbitration and conciliation; profit-sharing; co-operation; factory and other labor legislation; the social surplus; municipal economics; socialism. Lectures, assigned readings, papers, discussions. Senior year, all courses; second semester, three hours a week; open to students who have taken course 52. ——— ———.

Department of Philosophy.

55. LOGIC. The structure of the syllogism and its use in argumentative discourse are illustrated by a variety of practical exercises taken from Jevons' *Studies* and from other sources. Text-book: Jevons' *Lessons*, supplemented by Creighton's *Logic*. Junior year, all courses; one-half of first semester, three hours a week. Asst. Prof. HENDERSON.

56. PSYCHOLOGY. Mental processes are analyzed with a view to ascertaining their nature and functions and the laws which govern them. Both the experimental and physiological methods are employed as an aid to introspection. Text-book: James' *Briefer Course*, supplemented by references to Sully, Titchener, and Stout's *Manual*. Junior year, all courses; one-half of first semester and second semester, three hours a week. The course is open only to those who have had Sophomore work in Physiology or its equivalent. Asst. Prof. HENDERSON.

57. HISTORY OF PHILOSOPHY. A general survey of philosophical thought in ancient and modern times. Passages from the works of representative thinkers are selected for special study. References are made to Erdmann's, Falckenberg's, and Lewes' *Histories of Philosophy*, and to various monographs, as well as to the original sources. Senior year, Language and Literary Courses; first semester, three hours a week; open only to those who have taken course 56 or its equivalent. Prof. OSBORN.

58. ETHICS. The more important theories will be discussed, as well as their application to a philosophy of conduct. The method of study will include the discussion of papers upon assigned topics. Text-books: Seth's *Principles* and Mackenzie's *Manual of Ethics*. References: Sidgwick's *Method of Ethics*, Bowne's *Principles*, Watson's *Hedonistic Theories*, and Sidgwick's *History of Ethics*. Senior year, Language and Literary Courses; second semester, three hours a week. Prof. OSBORN.

59. ELEMENTARY PSYCHOLOGY. Introduction to the study of psychology. Text-book: Hallock. First year Normal and Freshman year, three hours a week. Miss BRUNN.

60. PSYCHOLOGY FOR KINDERGARTNERS. A course of fifteen lectures on Child Study, with selected readings. References: Rowe's *Physical Nature*

of the Child, Oppenheim's Development of the Child, Preyer's Infant Mind, Sully's Studies in Childhood. The application of Psychology to Teaching, especially in the Primary Grades. Text-book: Dexter and Garlick's Psychology in the School Room. Frequent exercises requiring the application of educational principles will be required. Open only to those who have taken course 56 or 59. Second year Normal, three hours a week. Senior College option, the course in Child Study only. Prof. OSBORN.

Department of Pedagogics.

61. PRACTICE AND OBSERVATION WORK to accompany Courses Nos. 63 and 66. Senior year and second year Normal.

62. HISTORY OF EDUCATION. The aim of this course is to trace the developments of educational systems in connection with the general development of civilization. A study of the Greek and Roman schools is followed by a sketch of the early Christian schools, the influence of Charlemagne and Alfred, the development of modern languages and literatures. A study of the Renaissance leads to the consideration of the new ideals in education and the history of the reformers. This course includes a study of Compayré's History of Pedagogy, Quick's Educational Reformers, Davidson's Education of the Greek People, Laurie's Life of Comenius, Laurie's Rise of the Universities, De Guimp's Life and Work of Pestalozzi, Pestalozzi's Leonard and Gertrude, Rousseau's Emile, Herbart's Science of Education.

First year Normal, and Junior College, first semester, three hours a week. Asst. Prof. HENDERSON.

63. THEORY OF EDUCATION. Lectures, essays, required readings and discussions.

Application to teaching of the principles developed in the courses in psychology and the history of education. This course aims to show that education is a *science* in that it is based on mental and physical laws and an *art* in that these laws are practically applied in teaching and training.

The following are used as texts and books of reference: Rosenkranz's Philosophy of Education, James' Talks to Teachers on Psychology, Butler's Meaning of Education, Münsterberg's Psychology and Life, Harris' Psychologic Foundations of Education, Sully's Teacher's Hand-book of Psychology, Spencer's Education. Junior College, second semester, three hours weekly. Miss SCOTT.

64. KINDERGARTEN PRINCIPLES. Discussions, readings, and essays. The purpose of this course is to show Froebel's conception of education through a study of his works and the practical application of his theory to

education in the kindergarten; study of the gifts, games, occupations and stories, with reference to their adaptation to child-nature and its development. The following are used as texts and books of reference: Froebel's Education of Man, Pedagogics of the Kindergarten, and Mother Play; Sully's Studies of Childhood, Rowe's Physical Nature of the Child, Blow's Symbolic Education, Preyer's Mental Development, Perez's First Three Years of Childhood, Compayré's Intellectual and Moral Development of the Child. Senior Normal class, first semester, two hours weekly. Tuesdays and Thursdays at 3.45 P. M. Miss SCOTT.

65. GIFTS AND OCCUPATIONS. Practical application, lectures, essays and discussions.

Study of their educational value and their place in Froebel's system. First year Normal and Junior College, two (four) hours a week; second year Normal and Senior College, three hours a week. Miss HARVEY.

66. METHODOLOGY. This course will include a theoretical course to determine the fundamental principles involved in the process of teaching, and also the application of these principles to the teaching of the various subjects embraced in the course of study in elementary and secondary schools. References: De Garmo's Herbart, Lange's Apperception, Harris' Psychological Foundations of Education, McMurry's Method of the Recitation, Tompkins' Philosophy of Teaching. Senior year, three hours a week. Asst. Prof. HENDERSON.

67. FROEBEL'S PHILOSOPHY in "The Mother Play." Second year Normal and Senior College, second semester, twice a week. Miss HARVEY.

68. STORIES AND GAMES AND PROGRAM-PLANS. Preparation and discussion of Programs.

Stories. Practice in telling and writing kindergarten stories. Classification of the same for practical purposes; as, fairy tales, historic stories, nature stories, etc.

Games. Practical playing of kindergarten games. Educational value of traditional and other games as systematized by Froebel.

First year Normal and Junior College, two hours a week; second year Normal and Senior College, three hours a week. Miss HARVEY.

69. MUSIC AND DRAWING. *Music.*—Voice culture, sight reading and transposing. Playing and singing of kindergarten songs and marches. Expressive use of voice and piano. Miss KIBBE.

Drawing.—Freehand and blackboard drawing, water color, perspective and design sketching from nature and objects. Miss MORSE.

First year Normal and Junior College, two hours a week; second year Normal and Senior College, two hours a week.

70. Application of Froebelian principles to intermediate or connecting class work. For graduates of kindergarten training courses and primary school teachers. References: Froebel's Education of Man, Education by Self-Activity, Education by Development, and Pedagogics of the Kindergarten; Adler's Moral Instruction of Children; Harrison's Study of Child Nature; Blow's Symbolic Education; Hughes' Froebel's Educational Laws. One hour weekly. Miss ROETHGEN.

Department of Chemistry.

74. ELEMENTARY CHEMISTRY. (a) *Chemistry of the non-metals*: Classification; theory of chemical nomenclature; problems; laboratory manipulations. Text-books: Remsen's Chemistry. References: Roscoe and Schorlemmer's Chemistry. (b) *Chemistry of the metals*: Periodic law; methods of reduction; compounds. Text-book and references same as course (a). Freshman year, Language and Literary Courses, three hours a week; laboratory, two hours a week. Prof. SHARE.

75. QUALITATIVE ANALYSIS. Tests for bases and acids; analysis of simple salts; analysis of complex mixtures and commercial products. Text-book: Prescott and Johnson's Qualitative Analysis. References: Fresenius' Qualitative Analysis, Elliott's Qualitative Analysis, Wells' Tables. Freshman year, Scientific Course, five hours a week; laboratory, three hours a week. Prof. SHARE.

76. QUANTITATIVE ANALYSIS. Preliminary course on known substances of definite composition; practice in methods. General course on ores and commercial products; assays of gold, silver, and lead ores; volumetric and electrolytic methods of analysis. Text-books: Cairns' Quantitative Analysis. References: Fresenius' Quantitative Analysis, Blair's Analysis of Iron Ores, Crookes' Select Methods, Sutton's Volumetric Analysis, Rickett's Notes on Assaying. Sophomore year, Scientific Course, five hours a week; laboratory, three hours a week. Prof. SHARE.

77. ORGANIC CHEMISTRY. Methane derivatives; benzene derivatives; organic analysis; laboratory practice in the preparation of organic substances. Text-book: Remsen's Organic Chemistry. References: Berntsen's Organic Chemistry, Prescott's Organic Analysis, Blyth's Analysis of Foods, Wanklyn's Water Analysis. Junior year, Scientific Course, six hours a week; laboratory, four hours a week. ——— ———

78. TECHNICAL OR APPLIED CHEMISTRY. Processes for the manufacture of commercial products; advanced methods of quantitative analysis; food analysis. References: Wagner's Chemical Technology, Watts' Dic-

tionary of Chemistry, Thorpe's Dictionary of Chemistry, Sadtler's Industrial Organic Chemistry, Blyth's Analysis of Foods. Senior year, Scientific Course, seven hours a week, lectures and laboratory. ——— ———

Department of Mineralogy and Geology.

80. MINERALOGY AND BLOWPIPING. (a) *Crystallography*: Study of crystal models and natural crystals. First semester, first term, three hours a week. (b) *Blowpipe analysis*: Use of the blowpipe; analysis of prepared mixtures. First semester, second term, three hours a week. (c) *Mineralogy*: Physical and chemical characteristics of common minerals; determination of minerals; second semester, three hours a week. Text-book: Moses' Mineralogy and Blowpiping. References: Plattner's Blowpipe Analysis, Williams' Crystallography, Dana's Mineralogy, Brush's Determinative Mineralogy. Senior year, Scientific Course, three hours a week, as above; laboratory, two hours a week. Prof. SHARE.

81. GEOLOGY. General course; dynamic, structural, and historical. Text-book; Le Conte's Geology. References: Dana's Geology, Geikie's Geology, Winchell's Geologies. Senior year, all courses; first semester, three hours a week. Prof. SHARE.

82. METALLURGY. Treatment of ores by furnace, wet, and electrolytic methods. References: Bloxam's Metals, Phillips' Metallurgy, Turner's Metallurgies. Senior year, Scientific Course; first semester, three hours a week. ——— ———

83. ECONOMIC GEOLOGY. Distribution and utilization of ore deposits, building stone, etc. Text-book: Kemp's Ore Deposits of the U. S. Senior year, Scientific Course; second semester, three hours a week. ——— ———

Department of Physics.

85. GENERAL COURSE. Properties of solids, liquids and gases, and the study of sound, heat, light, and electricity; with text-book and lectures. Laboratory course accompanying and supplementing these. Reference books: Deschanel's, Ganot's and Barker's Physics, Sabine's Laboratory Course, Zahm's Sound and Music. Junior year, three hours a week. Prof. PECKHAM.

86. (a) MECHANICS. Reference books: Deschanel, Vol. I; Wood's Mechanics, Sabine's Laboratory Course, with supplementary exercises, and lectures upon methods of experimenting. (b) METEOROLOGY. Text-book: Waldo. Reference: Davies. Laboratory work in taking and reducing observations and in forecasting weather. Sophomore year, Scientific Course, five hours a week. Prof. PECKHAM.

87. (a) **HEAT AND THE STEAM ENGINE.** Reference books: Deschanel, Stewart, Kinealy. Junior year, first semester. Scientific Course, six hours a week. (b) **ELECTRICITY.** Theory and Measurements. Reference books: S. P. Thomson, Stewart and Gee, Nichols. Junior year, second semester, Scientific Course, six hours a week. Prof. PECKHAM.

88. **TECHNICAL ELECTRICITY.** The dynamo, its structure and various forms. Motors, systems of lighting and transmission of power. Reference books: Hawkins and Wallis's *The Dynamo*; Crocker's *Electric Lighting*. Senior year, Scientific Course, seven hours a week. ——— ———

89. **ASTRONOMY.** Descriptive, physical and historical, by recitations and lectures, with study of constellations, and laboratory work on spectrum of sun. Reference books: Todd's *New Astronomy*, Clerke's *History of Astronomy in the Nineteenth Century*. Senior year, all courses; second semester, three hours a week. Prof. PECKHAM.

Department of Biology.

90. **GENERAL BIOLOGY.** The study of living matter and of its relations to lifeless matter. Protoplasm—The Cell. Comparative study of animals and plants by means of a number of selected types, such as *Amœba*, *Paramecium*, *Hydra*, the earth worm, *Protococcus*, bacteria, yeast, *Nitella*, the fern. References: Sedgwick and Wilson's *General Biology*, Parker's *Elementary Biology*, Huxley, and Martin. Junior year, Scientific Course, three hours a week, with laboratory throughout the year. Prof. GAINES.

91. **COMPARATIVE ANATOMY AND ADVANCED PHYSIOLOGY.** Dissection of Vertebrates. Comparative study of various organs. Embryology of the Chick. Careful study of the microscopic structure and mode of working of the tissues of the human body. Special attention given to the problems of metabolism, and to the development and physiology of the nervous system and its terminal organs. Reference: Foster's *Physiology*. Martin's *Human Body*. Sophomore year, Language and Literary Courses, three hours a week, with laboratory practice. Prof. GAINES.

92. **THEORETICAL BIOLOGY.** The history of Biological Discovery. The examination of philosophical problems of Biology: such as heredity, variations, animal metamorphoses, the origin of the individual, instinct and intelligence. Readings and discussions of Darwin, Spencer, Romanes, Weismann and similar authorities. Senior year, three hours a week. Prof. GAINES.

93. **SANITARY BIOLOGY.** Sanitation of the home: its situation, ventilation, heating, plumbing, and drainage. Study of the physiological and

chemical principles of water and foods. Food analysis: adulterations and dietaries. Elective in the Senior year, three hours a week. Prof. GAINES.

94. GENERAL BACTERIOLOGY. Elective in the Senior year, three hours a week. ——— ———

Department of Mathematics.

100. ALGEBRA. The binomial theorem, logarithms, permutations, combinations, chance, continued fractions, series, undetermined coefficients, elementary theory of equations, solution of numerical equations, and the elementary theory of determinants. Text-book: Fisher and Schwatt. Freshman year, Scientific Course (required); Sophomore year, Language and Literary Courses (elective); second semester, four hours a week. Prof. BOWDEN.

101. SOLID GEOMETRY. The usual demonstrative work, with numerical applications of the formulas derived. Text-book: Phillips and Fisher. Freshman year, Language and Literary Courses (elective); first semester, four hours a week. Prof. BOWDEN.

102. PLANE TRIGONOMETRY. Geometrical and analytical derivation of formulas; solution of triangles with use of logarithms; applications to measurement of heights and distances and to surveying. Text-book: Wells. Freshman year, Language and Literary Courses (elective); second semester, eight weeks, four hours a week. Prof. BOWDEN.

103. SPHERICAL TRIGONOMETRY. Derivation of formulas and solution of spherical triangles; applications to astronomy and navigation. Text-book: Wells. Freshman year, Language and Literary Courses (elective); second semester, eight weeks, four hours a week. Prof. BOWDEN.

104. ANALYTIC GEOMETRY. The equations of the straight line, circle, parabola, ellipse, hyperbola, and a few of the simpler higher plane curves, with an introduction to Solid Analytic Geometry. Text-book: Tanner and Allen. Freshman year, Scientific Course (required); Sophomore year, Language and Literary Courses (elective); first semester, four hours a week. Prof. BOWDEN.

105. THE DIFFERENTIAL AND INTEGRAL CALCULUS. Simple and successive differentiation of functions, expansion of functions in series, evaluation of indeterminate forms, curve tracing, evaluation of maxima and minima, calculation of areas and volumes of solids of revolution, solution of simple differential equations. Text-book: Osborne, supplemented by lectures on the theory of functions. Junior year, Scientific Course (elective), three hours a week. Prof. BOWDEN.

106. **DESCRIPTIVE GEOMETRY.** Orthographic projection of points, lines and surfaces, the intersection of lines and surfaces, spherical projections, shades and shadows, linear perspective, isometric projections. Text-book: Church. Sophomore year, Scientific Course, first semester, four hours a week. Mr. LOCKE.

107. **MECHANICAL DRAWING.** Freehand drawing, construction of problems in Geometry, orthographic and isometric projections, plans, sections, and elevations of machines and architectural parts, blue prints, lettering, plotting of surveys, topographical sketches, coloring and shading; development of problems involving the principles of Descriptive Geometry, including shades and shadows, and perspective. Freshman year, Scientific Course, two hours a week; Sophomore year, first semester, one hour a week. Mr. LOCKE.

108. **GRAPHICAL MECHANICS,** with an introduction to machine design. Senior year, Scientific Course (elective), three hours a week. Mr. LOCKE.

109. **SURVEYING.** Recitations and lectures on the principles and practice of surveying, adjustment of instruments, practice surveys, levels, and topographical work, computations based upon data thus derived. Sophomore year, Scientific Course, second semester, four hours a week. Mr. LOCKE.

110. **ANALYTIC MECHANICS.** Composition and resolution of forces, center of gravity, friction, virtual velocities, machines, laws of motion, central forces, constrained motion, impact, work and energy, moment of inertia, rotary motion. Text-book: Bowser. Senior year, Scientific Course (elective), three hours a week. Prof. BOWDEN.

111. **THEORY OF NUMBERS.** A course of lectures starting with the fundamental ideas and axioms for primary numbers and giving a logical development of the theory of integers, rational numbers, real numbers, and complex numbers. Junior or Senior year (elective), one hour a week. Prof. BOWDEN.

THE MATHEMATICAL CLUB. This is an organization of teachers and advanced students formed for the purpose of mutual help in mathematical investigation, and as an incentive to original work. The club meets once in three or four weeks.

THE MATHEMATICAL LIBRARY contains standard works of reference on all the courses and is easily accessible to the students.

Department of Elocution.

Individual work in this department is required of each member of the Freshman and Sophomore Classes, and is optional in the other years. Assistant Professor MACFARLANE.

Total class-room work per week, exclusive of Physical Culture and Laboratory work, from 14 to 18 hours.

Sophomore

Junior

Senior

Courses 55, 56, 61, 62, 63, 66 together make the Pedagogical Course, which leads directly to examination for State or City licenses. Courses 55, 56, 59, 49, 62, 64, 65, 68, 69, 57, 58, 60, 67, Junior and Senior years, are studies which must be chosen by students who wish to become trained kindergartners.

TEACHERS' COURSES IN ADELPHI COLLEGE.

1. Teachers and other mature persons whose qualifications are approved by the Faculty may present themselves for admission to the Teachers' Courses in Adelphi College by taking the regular entrance examinations in June or September, or by submitting to the judgment of the Faculty satisfactory diplomas, certificates, or other official evidences of scholastic work done. Applicants for admission, upon presentation of papers or before entering examinations, are required to pay a registration fee of five dollars to the Bursar.

2. Teachers of three years' experience in the High Schools of New York City, or teachers who have taught three years in the Public Schools of New York City under a Grade A certificate, may be excused from entrance examinations in History, Physiology, and Mathematics.

3. Teachers who have been in active service for at least three years shall not be required to pass entrance examinations in English, except in composition.

4. Teachers and other mature persons not candidates for a degree may be admitted to Teachers' Courses as special students upon the approval of the Faculty and the instructor in charge.

5. The courses for the especial benefit of teachers consist chiefly of afternoon, evening, and Saturday morning class-exercises in the prescribed studies of the College curriculum. Such courses will consist of at least two one-and-one-half-hour exercises a week for thirty weeks or, in case of a semestrial study, for fifteen weeks. Scientific studies involving laboratory work must, unless otherwise ordered by the Faculty, be studied in residence at the Adelphi. If expenditures in a laboratory course for apparatus and materials shall, for any student, amount to more than the prescribed laboratory fee, the amount in excess may be charged to that student by the Bursar.

6. Teachers who wish to obtain a degree from Adelphi College must complete the prescribed curriculum in one of the three College courses—*i. e.*, the Language, the Literary, or the Scientific—and must spend at least one year as a student, devoting full time to study in Adelphi College, or must take at least eight Residence Courses in Adelphi College. The rule concerning the requirement of eight Residence Courses may be modified, at the discretion of the Faculty, in case of students who are admitted to the College upon letters of honorable dismissal from other colleges. No student who is actively engaged in teaching will be permitted to study more than two subjects in the Teachers' Courses at one time, except by special permission from the Faculty.

7. Students in the Teachers' Courses, who are candidates for a degree, may not take Senior studies until all entrance deficiencies have been made up.

8. All examinations will be held at the usual time in June or September, or in the last week of the first semester. Special examinations may not be held unless by consent of the Faculty and subject to the conditions prescribed by the Bursar.

9. Except by special consent of the Faculty, no instructor shall conduct a class in the Teachers' Courses unless at least five pupils apply for admission thereto.

10. The Faculty will accept properly authenticated certificates of work done within the class-rooms of other colleges, and certificates of work done in summer schools will also receive consideration if issued and guaranteed by a college or university of high standing. Certificates issued by private tutors will not be accepted.

11. An application to be admitted, upon certificate, to Adelphi College in its Teachers' Courses as a candidate for a degree, should be presented, together with certificates, to the Faculty, before June 15th or October 8th in each year. Applications for either Residence or Direction Courses should be filed with the Registrar on or before the same dates. Communications concerning the studies should be addressed to President C. H. Levermore, Adelphi College, or to the Class Adviser of all students in the Teachers' Courses, Prof. V. E. Scharff, Room 62, Adelphi College. Business communications should be addressed to the Bursar.

12. In accordance with the terms of the circular issued by the City Superintendent of Schools, under date of June 24, 1898, and specifying the requirements for a teachers' license No. 2, or Grade A, and for Head of Department licenses, the courses of instruction offered by Adelphi College in its various departments present to teachers a favorable opportunity for performing the work necessary in order to obtain either one of those certificates. For these purposes the City Superintendent approves all college classes excepting those which may be engaged upon the elementary study of a language.

13. All persons who enter the Adelphi Teachers' Course classes are required to enroll their names in the Bursar's office (east side of the Lafayette Avenue entrance), to pay one-half the tuition fee and to receive a card of admittance to the desired class. This card must be presented to the teacher in charge of the class. No pupil, thus registered, may withdraw from the class without notifying the Bursar. No deduction is made on account of absence.

14. In view of recent changes in methods of teaching and the higher qualifications demanded for professional work, neither the course of study in the Training School, nor the head of Department certificate will hereafter be accepted as a substitute for Senior Pedagogics, if made matter of record prior to 1895.

15. Among the courses that will be offered to teachers for the next year, 1903-1904, the following may be now announced:

English Literature, Sophomore and Senior, two classes; Biology, Sophomore; History of England and France, Sophomore; History of the United States, 60 hours (one semester) Senior; French; German, if at least ten students apply; Greek, Freshman; Latin, Preparatory and Freshman; Psychology and Logic, Junior; Physics, Junior; Mathematics, College Algebra and Analytical Geometry, Sophomore; Froebelian principles in primary work, Senior; Political Economy, Junior; Social History, Junior. A course in "The principles of education historically considered" will be offered by Miss Sarah E. Scott to a limited number of students with a special reference to preparation for the higher examinations in the city school system. Students in Teachers' Course classes will take in the Sophomore Year English throughout the year instead of English, one semester, and History of Art, one semester.

The Course in the History of Philosophy and Ethics will alternate with the Course in Logic and Psychology. For the year 1903-4 the Course in Logic and Psychology will be given by Professor Henderson.

These courses will begin about October 15, 1903, subject to conditions described in foregoing regulations; see especially Rule 9. The hour of class-exercise is to be determined by the convenience of both students and teachers.

EXPENSES.

Annual tuition in the College, per quarter, payable in advance.	\$45.00
Annual tuition, Normal Course for Kindergartners.....	100.00
No additional charges for Kindergarten materials.	
Annual tuition, Normal Art Course.....	75.00
Art School, per quarter, half-day sessions.....	10.00
“ “ “ “ whole day sessions.....	15.00
For Teachers only, Residence Course, per annum.....	40.00
“ “ Direction Course, per annum.....	20.00
“ “ Registration fee.	5.00
Special examinations, each.....	5.00

There are no extra charges in the College Course except for materials used in the laboratories and a fee of five dollars to cover the cost of the final diploma.

Special Students are charged at the rate of \$15 a quarter for each subject studied. Special students in the sciences are entitled to the same amount of laboratory work as that which is required of regular students; for extra work in the laboratories they pay \$10 a quarter for each additional period. No special student is received for less than one quarter. Special students who take three subjects pay the regular rate.

Students in the Biology classes will pay a laboratory fee of \$3 to cover cost of materials. Students in the Chemistry classes will make a deposit of \$10 to cover cost of materials. Deposits are to be made with the Professor in charge. No laboratory desk will be assigned before deposit is made. In all Chemistry classes, when breakage or usage exceeds the amount of deposit or the fixed laboratory fee, an additional charge will be made to cover the excess.

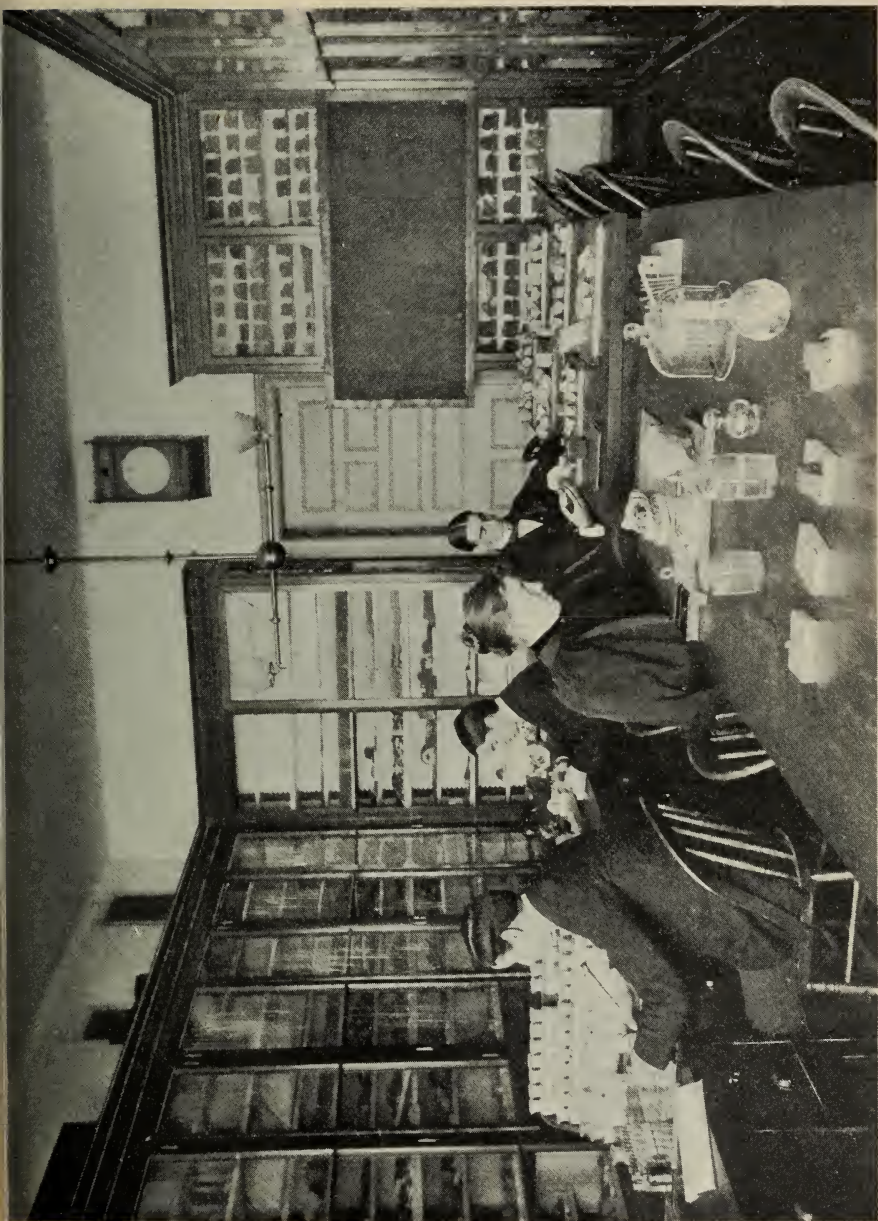
The College maintains a Book Room, where all books and stationery may be purchased by the students for cash.

Tuition is payable at the Bursar's office in the Academic Building.

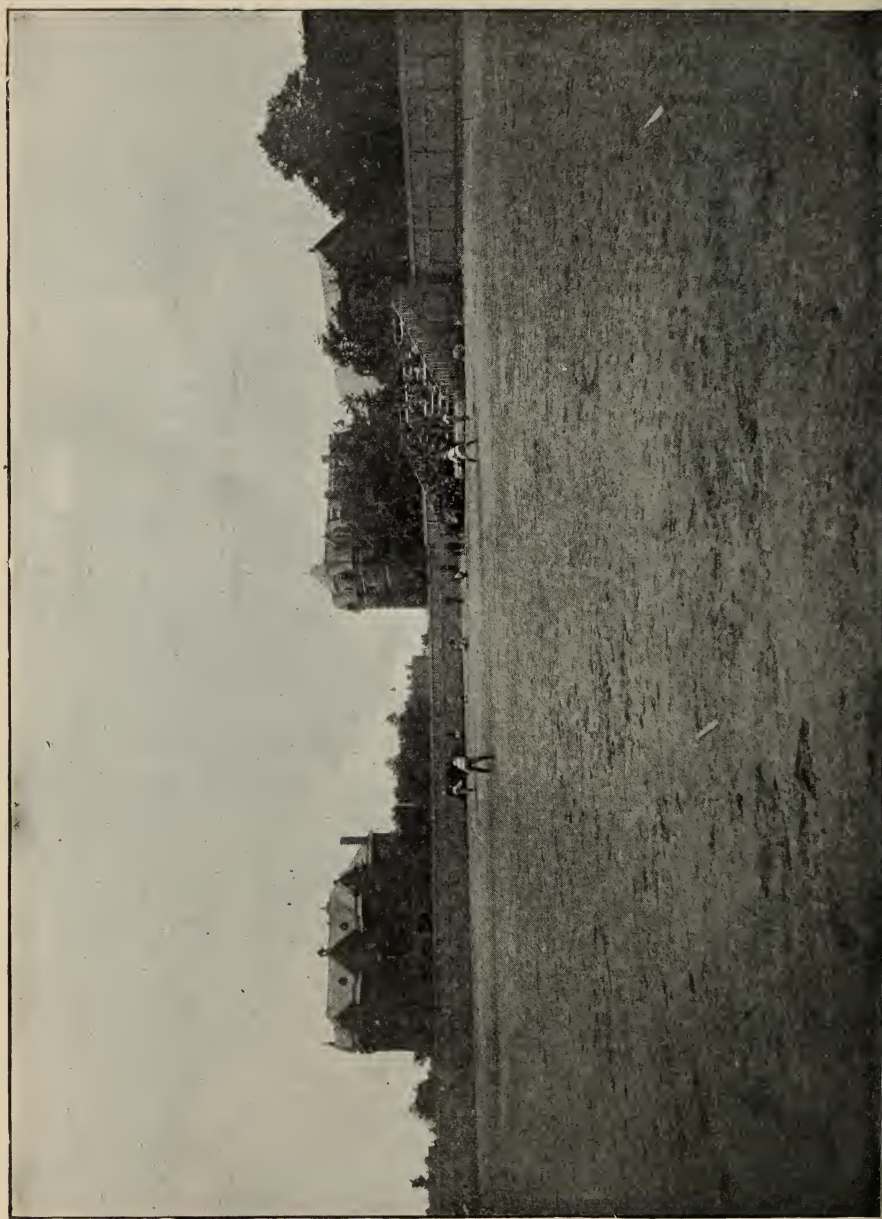
No deduction is made for absence. Students who withdraw during the year are liable for tuition until the Bursar has been notified of the withdrawal.

The price of board and lodging in the neighborhood of Adelphi College is from \$5 a week upward. Table board can be obtained at prices ranging from \$4 a week upward.

Address all business communications to The Bursar, Adelphi College, Brooklyn.



IN THE MINERALOGICAL LABORATORY



EQUIPMENT.

I. Buildings.—The group of buildings now occupied by the College fills the entire end of the block between Lafayette Avenue and Clifton Place, upon St. James Place. The main entrance of Adelphi College is on Clifton Place. The central building is an assembly hall, 50x72 feet, with sittings for about a thousand persons.

During the noon hour, daily, or from 11.40 to 1.30 o'clock, a warm luncheon can be obtained in a lunch room within the buildings.

The College provides accommodations for the clothing of pupils and takes due precaution for the security of such articles, but it cannot be responsible for their safety.

Convenient access to the buildings is provided by the Brooklyn Union Elevated R. R. (DeKalb or Greene Avenue Stations), or by the Greene, DeKalb, Franklin, Vanderbilt, and Fulton electric cars.

By arrangement with the officers of the Brooklyn Rapid Transit Company, special cars are run before 9 A. M. from the Park Slope along Ninth Avenue, and from Flatbush along Nostrand Avenue, to Adelphi, so that the trip may be made without change and for one fare. Time-tables for these routes can be procured at the Bursar's office.

II. The Library and Reading Room.—The Library now contains about nine thousand volumes. In the reading room the principal magazines and all leading educational periodicals are on file. Students also have access to the large collections of the Public Library which maintains a branch in the vicinity, and to the Pratt Free Library, which is only one block distant from Adelphi. A trifling annual fee secures admission also to the Brooklyn Library, which contains about one hundred and fifty thousand volumes.

III. The Laboratories.—On the third floor of the College building are the mathematical and physical laboratories.

The mechanical drawing room is well lighted and contains a large collection of geometric models and machine types. There is also a complete equipment for the study of surveying.

There are two laboratories for physics abundantly equipped, and a lecture-room with a seating capacity of one hundred.

The lecture-room is provided with an electric projecting lantern with vertical attachment, polarizing elbow and microscope, and the department possesses a large set of objects for projection. There is an electric light-

ing and power plant, consisting of a forty-horse power engine, a 250-light U. S. direct current dynamo, and three U. S. motors. During the hours of session these furnish current in the lecture-room and laboratories and drive the ventilating fans. At other times connection is made with the Edison three-wire system, giving a constant potential of 230 volts.

The fourth floor is occupied by the departments of chemistry and biology. The department of chemistry possesses, besides a lecture-room and a weighing-room, a *Main Laboratory*, a *Quantitative Laboratory*, an *Assay Laboratory*, and a *Blowpipe Laboratory* for the work in mineralogy and blowpipe analysis. The lecture-room has seats for eighty students, and is provided, like the physical lecture-room, with a specially constructed electric projecting lantern, with attachments for horizontal, vertical, and side projection, and special apparatus for the projection of microscopic objects.

A supply room contains a store of extra apparatus, from which the students can obtain all the material they require in their experimental work. This room is arranged for use as a photographic dark room, with complete apparatus for making lantern slides, including a fine copying, enlarging and reducing camera, and complete equipment for electric illumination, rendering it possible to do photographic work at all times without dependence upon sunlight.

In the rooms of the department of chemistry are exhibited the Mineralogical Collection, containing about two thousand specimens and a set of models of crystals. There is also a Geological Collection, including the representative fossils of all formations and large collections of the different kinds of rocks.

The biological laboratories are two in number and are well provided with facilities for botanical and zoölogical study, including dissecting and compound microscopes, a herbarium, mounting apparatus and various reagents, and a large amount of illustrative material, including a fine collection of type-vertebrate skeletons.

There is also a lecture-room for the especial use of the department of biology.

IV. The Gymnasium and Playing Field.—The gymnasium is in charge of a Director, who is a physician, and of a lady assistant. The calisthenium is a spacious room provided with a piano, and with the usual equipment of wands, clubs and bells. The remaining space, besides dressing-rooms, bath-room and offices, contains two large rooms well supplied with all modern apparatus. In the central gymnasium are found handball courts and a basketball field.

The playing field is situated near Classon Avenue, between Park Place and Prospect Place. It is near the Franklin Avenue, Bergen Street and Vanderbilt Avenue lines of cars, and is about twelve minutes' walk from the College. It contains ball fields, tennis courts, running tracks and a grand stand, with seats for two hundred and fifty persons. Underneath the grand stand are dressing-rooms, with lockers and bath-rooms. The carriage entrance to the field is on Prospect Place. The ordinary entrance is on Park Place, near Classon Avenue.

V. Scholarships.—In 1902, Mrs. Charles R. Baker founded and endowed a free scholarship in Adelphi College to be called the

SARAH CONSELYEA BAKER SCHOLARSHIP,

in memory of her daughter who was graduated from Adelphi Academy with the class of 1896.

Five scholarships, of the value of \$180 each, are offered annually to those members of graduating classes in Brooklyn High Schools who show the highest proficiency in competitive examination upon all the subjects required for admission to a course in Adelphi College. If candidates of sufficient merit present themselves, it is intended that each Brooklyn High School shall be represented among the winners of these scholarships, but the Faculty reserves the right to apportion the scholarships if necessary, without regard to the scholastic affiliations of the candidates. As five free scholarships are offered each year it is evident that the College intends to maintain twenty scholarships, of the value of \$180 each, and open by competitive examination to the graduates of Brooklyn High Schools. The examinations will be held in June of each year usually upon the first three days of the week in which the Adelphi College Commencement occurs. Members of the graduating classes in the Brooklyn High Schools are eligible for admission to these examinations if they are recommended by the principal of the school that they are attending.

For further information concerning these scholarships and examinations address the Secretary of the Faculty, Dr. A. G. Fradenburgh, Adelphi College.

The College devotes each year a certain portion of its resources to the maintenance of scholarships for the benefit of indigent and deserving students. Those who need aid should communicate with the president before November 1st in each year of the College Course. A student applying for aid for the first time is required to present evidence in writing that he is

worthy to receive assistance, and that such help is necessary to enable him to continue in collegiate studies. Assistance will be withdrawn from students who are irregular in attendance, or who fail to maintain a reputable scholarship.

VI. PRIZES. The Ossoli Prize—This prize is offered annually for the best English essay written by a student in Adelphi College. The subjects are announced in May of each year for the competition during the year following, and the results of the competition are announced in May of each year.

Barlow Medals.—In December, 1897, Mr. George Barlow, of Brooklyn, gave to the College the sum of \$5,000, to be known as the George Francis Barlow Fund, in honor of the donor's son, who was the valedictorian of the Adelphi Academy Class of 1878. Part of the proceeds of this Fund is devoted to the maintenance of the Barlow Medals, which may be awarded in June of each year to that student in each course of the Sophomore year in Adelphi College who has attained the highest rank in scholarship in all studies during the first two years of the College Course. The remainder of the annual income from this Fund is devoted to the purchase of books, pictures, and apparatus.

In the Art School a number of prizes are awarded to the winners in the annual competitions, which are described more fully in the section of this catalog relating to the department of fine arts. *q. v.*

VII. Lectures.—Besides the lectures of many kinds maintained annually by Adelphi within its own halls, the students are advised to avail themselves of the exceptional educational opportunities afforded them in the unrivaled lecture and concert courses of the Brooklyn Institute. A merely nominal annual fee admits any one to most of the facilities of the Institute. All of its work is conveniently near Adelphi; some of it is placed every year within Adelphi halls. The new Art Museum of the Institute is not far away and is more and more valuable as an educational force.

LECTURES—1902-1903.

I. Lectures by Prof. Henry G. Hanchett:

GENERAL TOPIC: CONTEMPORARY PAIRS OF COMPOSERS.

First Course.

Oct. 13.—Bach and Scarlatti. Mendelssohn and Schumann.

Oct. 27.—Haydn and Mozart. Rubinstein and von Buelow.

Nov. 10.—Dussek and Clementi. Beethoven and Schubert.

Nov. 24.—Steibelt and Pleyel. Chopin and Liszt.

LECTURES IN FRENCH.

Oct. 17.—Under the auspices of the Brooklyn branch of the Alliance Française, M. Germain Martin lectured upon "Jeanne d'Arc."

Mar. 17.—For the College, M. Leopold Mabilleanu lectured upon "L'Ouvrier."

Mar. 20.—For the College, M. Leopold Mabilleanu delivered a second lecture upon "Le Parti Socialiste: ses principes et ses divisions."

During the year the Hon. Frederick E. Crane, Secretary of the Corporation, conducted a series of discussions before the members of the Junior Class upon "Law as it affects the daily life of the citizen."

Under the auspices of the Adelphi Historical Club:

Dec. 12.—Prof. William C. Lawton: "The Cosmopolitan Spirit in American Literature."

Jan. 16.—Miss Clara B. Dean: "The Education of Women at Oxford University."

Feb. 6.—Miss Ida M. Tarbell: "Historical Study in Paris."

Feb. 27.—Prof. E. E. Proper: "Some Colonial Anti-Immigration Laws."

Mar. 20.—Prof. B. A. Heydrick: "Folk-lore of the Pennsylvania Dutch."

THE ADELPHI NORMAL COURSE, OR TRAINING CLASS FOR KINDERGARTNERS.

Faculty.

CHARLES H. LEVERMORE, Ph.D., President.

ELIZABETH V. GAINES, B.A., Professor of Biology.

ANNA E. HARVEY, Professor of Froebelian Methods,
Superintendent of the Course and Secretary of the Faculty.

ERNEST N. HENDERSON, B.A., M.A.,
Assistant Professor of Pedagogy.

FREDERICK W. OSBORN, B.A., M.A.,
Professor of Psychology and Education.

SARAH E. SCOTT, M.A., Instructor in Theory of Education.

LOUISE BOTH-HENDRIKSEN, Instructor in the History of Art.

FREDA M. BRUNN, B.A., Instructor in Psychology.

FRANCES H. FLAGLER, Instructor in Physical Culture.

CAROLYN S. KIBBE, Instructor in Vocal Music.

ANNA MORSE, Instructor in Manual Training.

NELLIE LOUISE ROETHGEN, Instructor in Methods.

Courses of Study.

First Year.	Second Year.
The First Six Kindergarten Gifts. Clay Modeling, } Paper Folding, } Kindergarten Parquetry, } Occupations. Mat Weaving, } Sewing, } Games and } Stories, } Elementary Psychology. History of Education. Lectures on the History of Art (optional). Free-hand Drawing and Color Work. Kindergarten Drawing. Music—Voice Culture. Physical Culture. Zoölogy and Botany.	The Last Seven Kindergarten Gifts. Slat Interlacing, } Paper Interlacing, } Kindergarten Paper Cutting, } Occupations. Peas Work, } Card Modeling, } Games, Stories, } and Program- } Plans, } Lectures on the History of Art (optional). Free-hand Drawing and Color Work. Music—Voice Culture. Physical Culture. Study of Froebel's "Mother-Play." Theory of Education. Psychology.

This course extends through two years. Candidates for admission must be at least eighteen years of age, must have had either a high-school training or its equivalent, and must satisfy the Superintendent that they are competent to study kindergartening with prospect of success. Students who complete the full course and give satisfactory proof of effi-

ciency and ability will receive a diploma certifying to their attainments. Only a limited number of students will be admitted to this course. Students who are qualified to enter the Junior Class in Adelphi College may present the studies of this Normal Course as options in the Junior and Senior years, and as part of the necessary work for a baccalaureate degree.

Candidates for admission must present certificates from institutions of recognized standing, or be prepared to pass examinations in the following subjects: English (Grammar, Rhetoric, and Literature—the college entrance requirements for the year or their equivalent), General History, Physiology, Plane Geometry, Physics, and three years' study of a language other than English.

Candidates may present themselves for examination in September at the time of Adelphi College entrance examinations, as stated in the College calendar, or in June on the Monday before Commencement. Applications for admission to these examinations should be made at least one week before the date of the examinations, to the Superintendent,

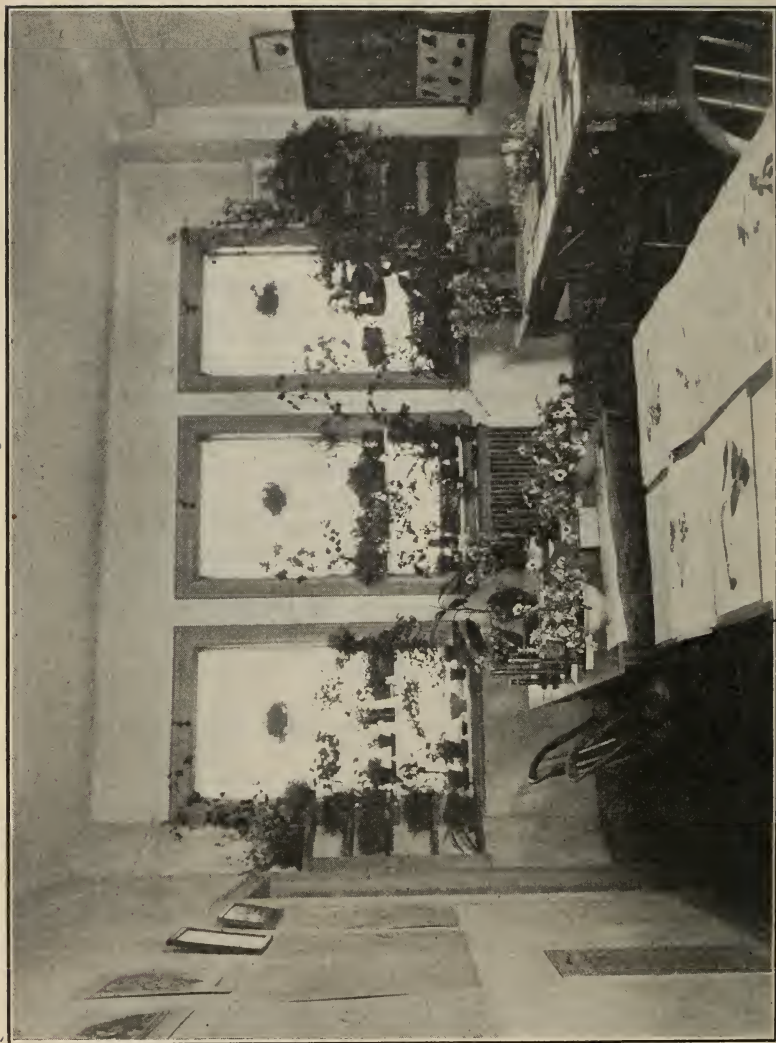
MISS ANNA E. HARVEY, Adelphi College, Brooklyn, N. Y.

Terms: The fee for instruction in the Training Class is \$100 per annum. There are no extra charges for materials.

The Adelphi Normal Course for Kindergartners was organized in 1893. The first class, consisting of nine members, graduated in 1895. At the present time fifty-one graduates of this school are teaching. Of this number, thirty-five are Directors in public school kindergartens in the city of New York.

The Adelphi Normal Kindergarten Alumnæ Association was organized in 1896. The officers for 1903 are: President, Margaret Holmes, '95; Vice-President, E. May Martin, '00; Recording Secretary, Grace Seeley, '97; Corresponding Secretary, Gertrude Eddy, '01; Treasurer, Bessie H. Thompson, '97. In 1898 this Association directed its efforts toward maintaining a free kindergarten at the Bureau of Charities, 1660 Fulton Street, Brooklyn. This work was carried on most successfully until June, 1901, when the Association transferred this kindergarten to the Free Kindergarten Society, and began to organize and maintain a free kindergarten in connection with the Ridgewood Household Club at 333 Bleecker Street, Brooklyn. Miss Bessie Hunter, '96, has charge of this kindergarten.

In addition to the practice teaching in the Alumnæ Kindergarten, the Normal students have opportunities to teach in the kindergartens of the Free Kindergarten Society of Brooklyn, of the Church of the Incarnation (Quincy Street, near Classon Avenue), of the Emmanuel Baptist Mission, and in the kindergarten and connecting class of the Adelphi Academy.



A CORNER IN THE BOTANICAL LABORATORY



IN THE STUDIO

THE DEPARTMENT OF FINE ARTS.

Faculty.

CHARLES H. LEVERMORE, Ph.D., President.

FREDERICK W. OSBORN, B.A., A.M.,

Professor of Psychology and Education.

JOHN B. WHITTAKER,

Superintendent of the Art School, Professor of Painting and Drawing.

HENRY G. HANCHETT, M.D., Professor of Theoretical Music.

JOHN HYATT BREWER, F.A.G.O., Professor of Vocal Music.

LOUISE BOTH-HENDRIKSEN, Instructor in the History of Art.

FREDA M. BRUNN, B.A., Instructor in Psychology and Pedagogics.

ERNEST N. HENDERSON, B.A., M.A.,

Assistant Professor of Pedagogy.

CAROLYN S. KIBBE, Instructor in Vocal Music.

NELLIE LOUISE ROETHGEN, Instructor in Methods.

SARAH E. SCOTT, M.A., Instructor in Theory of Education.

MRS. SADIE P. SILVERMAN, Accompanist.

OLIVER WEBB, Instructor in Wood-working.

ANNA G. MORSE, Instructor in Drawing.

The whole of the fifth floor of the Collegiate Building is devoted to the Art Department. There is a spacious studio, which is furnished with full- and half-sized statues, large and small torsos, busts, masks and reliefs. There is also a large room for classes in drawing and painting from life. Besides, there are three rooms for modeling, the making of casts, and for the use of small classes. There is also a manual training workroom. All the studios are open daily from 9 A. M. until 4 P. M.

The special student entering the Art Department is independent of the other departments of the school, and there are no restrictions as to age. One may choose, according to predilection or ability, between the antique, still life, portrait, figure, charcoal, pastel, oil and water color, or he may include all in his studies for which he finds time. Evening classes (antique, life, and sketch) meet on Mondays, Tuesdays and Thursdays from

7.30 to 10 P. M. Terms for evening classes, \$2 per ten weeks. Terms for day classes are \$10 per ten weeks, half-day sessions, or \$15 per ten weeks, whole-day sessions.

Students in this department are admitted to all privileges of the College library and reading room.

The annual exhibition of the work of the pupils of the Adelphi Art School is usually held on the last Friday and Saturday in May of each year.

The drawings of the students are arranged in classes, and prizes are awarded as follows:

Best bust from the Antique.A silver medal.

Best figure from the Antique.A gold medal.

Best head from Life.A silver medal.

Best figure from Life.A gold medal.

In the class in painting a silver medal is awarded for the best draped figure from life, and a gold medal for the best nude figure from life.

The student who is regarded as showing the greatest improvement during the year receives a silver medal.

The award of all prizes is made by a jury specially chosen for this purpose, which inspects the drawings and paintings upon exhibition. The prizes are presented to the winners during Commencement week.

Those competitors whose work is regarded as next in excellence to that of the winner receive honorable mention.

In all classes in the Art School there is a monthly review of the work of the students and those subjects which deserve especial commendation receive a mark of honor.

NORMAL ART COURSE.

Courses in the Art School and the College have been combined so that they constitute a normal training for students who wish to become teachers of drawing. Applicants for admission to this course, who intend to become candidates for drawing certificates, must be at least 18 years of age, and must either be graduates of a high school or be able to show by examination that they possess an equivalent preparation. All applicants will be required also to pass an examination in drawing, set by the Superintendent of the Art School. Students in the Normal Art Course are required to attend five whole-day sessions weekly (whole-day session, 6 hours), and also such sessions of the evening life classes and the Sketch Club as are designated by the Superintendent. The course is for two years, and a diploma is awarded to those students who complete the work of the course satisfactorily. The fee for instruction in the Normal Art Course is \$75 a

year, payable quarterly in advance. All students in this course may, at the discretion of the Superintendent and Faculty, be required to attend courses of lectures upon Art that are among those delivered each year before the Brooklyn Institute.

Course of Study.

First Year.	Second Year.
Cast Drawing and Clay Modeling, 4 half-day sessions. Free-hand Perspective. Sketching and Composition, 3 half-day sessions. Instrumental Drawing, 1 half-day session. History of Art, 4 hours weekly. Psychology, 3 hours weekly. History and Theory of Education, 2 hours weekly.	Cast Drawing, 1 half-day session. Free-hand Perspective and Sketch- ing, 2 half-day sessions. Composition, 2 half-day sessions. Water Color, 2 half-day sessions. Elementary Manual Training, 3 hours weekly. History of Art, 1 hour weekly. Psychology, 3 hours weekly. Pedagogics, 3 hours weekly.

For circulars and other information concerning the Adelphi Art Department and Normal Art Course, address the Superintendent,

PROF. J. B. WHITTAKER,
Adelphi College,
Brooklyn,

THE SCHOOL OF MUSICAL ART.

On account of the necessity of providing increased accommodations for students and teachers in the Normal Course for Kindergartners, it has been found necessary to discontinue the Adelphi School of Musical Art. At the end, therefore, of the current school year, 1902-3, this department of the college will be withdrawn.

STUDENTS' ORGANIZATIONS.

Branch of the Young Women's Christian Association—Josephine Kelley, '04, Pres.; Jennie J. Pfeiffer, '04, Vice-Pres.; Clara D. Mudge, '05, Treas.; Elizabeth M. Brown, '05, Sec.

College Students' Association for Self-Government—Organized, 1896. *Girls*—Pauline M. Auel, '03, Pres.; Katharine W. Stone, '04, Vice-Pres.; Emily G. Chapman, '05, Sec.; Neva Haight, '06, Treas. *Executive Committee*—Seniors: Hazel E. Coppins, Marguerite Mitchell; Juniors: Gwendolen Brown, Katharine W. Stone; Sophomores: Pauline P. Hathaway, Katharine F. Tobin. *Freshmen*: Ida Poole Brown, Mary K. Flagler. *Boys*: Joseph Gale Dunn, '05, Pres.; John J. McDonald, '06, Vice-Pres.

Historical Club—Dr. A. G. Fradenburgh, Pres.; Clara B. Dean, Sec. Exec. Com.: William O. Easton, Helena F. Heuermann, Alice B. McNary.

The Adelphi Union—An association composed of Adelphi Academy, College and Normal Alumnæ, for the purpose of Christian and philanthropic work. This work had its beginning in a free Kindergarten established by the Normal Alumnæ in 1898, at the United Charities Building, 1660 Fulton Street. Since December, 1899, members of the Academy and College Alumnæ have also maintained in the same building classes for older children; also a penny provident fund and library, the books of which were contributed to the Union by the Academic grades of the Adelphi. President of Adelphi Union, Alice M. E. Pfizer, A., '97, C., '99; Vice-Pres., Anna E. Harvey; Treas., Alice Casamajor, A., '96, C., '99; Sec., Susan B. Taylor, A., '96; Directors: Dr. A. G. Fradenburgh, Dean Alice Blythe Tucker, Margaret E. Johnson, A., '97, C., '99, Hazel E. Coppins, A., '01, C., '03.

The Adelpian—Established 1881. Published monthly by the Adelpian Publishing Association. Editors-in-Chief: William B. Keller, Jr., A., '05; Josephine Kelley, C., '04. Assistant Editors: Bertha F. Graf, C., '04; Mae P. Smith, C., '05; Robert Casamajor, C., '06; George A. Ander-

son, A., '05; Beatrice L. Folwell, A., '05; Reginald W. Catlin, A., '05. Business Manager: Bertram A. Gabriel, A., '05; Assistant Business Manager, Edward McFarlan, A., '05.

Students' Glee Clubs—Prof. John Hyatt Brewer, Director.

Dramatic Association—Wm. B. Keller, Jr., A., '05, Pres.; Ida P. Brown, C., '06, Vice-Pres.; Ruth Benson, C., '05, Sec.; Bertram A. Gabriel, A., '05, Treas.

Sketch Club—Prof. J. B. Whittaker, Pres.; Mrs. Sadie A. Evans, Sec.

Mathematical Club—Dr. Joseph Bowden, Pres.; Miss Clara L. Crampton, 95 Gates Ave., Secretary.

The Round Table—A literary society under this name has been formed for the study of English literature, and of the problems and characters presented by this study. The society aims to give its members practice in literary expression. Officers: Cora B. Wood, '05, Pres.; Julia H. Plump, '04, Vice-Pres.; Myra A. Kelly, '06, Sec.

Adelphi College Alumni Association.

Organized Jan. 19th, 1901. Officers: Violette E. Scharff, '00, Pres.; Mrs. Lucy Taylor Lewis, '99, Vice-Pres.; Florence Elliott Martin, '00, Corresponding Secretary; Emily Grant Kelsey, '00, Recording Secretary; Emma Jessie Ogg, '00, Treasurer.

Commencement, June 15-17, 1902.

The baccalaureate sermon was delivered on Sunday evening, June 15th, in the Lafayette Avenue Presbyterian Church, by the pastor, Rev. Dr. David Gregg.

The Senior Reception occurred on Monday evening, June 16.

The Commencement Exercises were held in the Academy of Music, on Tuesday evening, June 17th. Rev. St. Clair Hester offered prayer, and an address upon "The Obligation of Culture" was made by Edward Howard Griggs, M.A.

The following persons were admitted to the degree of Bachelor of Arts:

GRACE CORNING COTTON
ADELAIDE PRESCOTT GARLAND
ELIZABETH HELEN HALE
HELENA FANNY HEUERMANN
JULIETTE GENÈVE HOLLENBACK
HARRIETT MARIE MARTIN

ALICE LOUISE NASON
MARIAN PYLES
CORR BAYARD SNOWDEN
CHRISTINE VAN CLEVE
ANNIE MAUD WEBB
ELLA AUGUSTA WOODBURY

During the scholastic year 1901-1902 the Degree of Bachelor of Arts was also conferred upon HARRIETT LOUISE BOGUE and ALICE HIGGINS, members of this class.

Diplomas of the Normal Course for Kindergartners were awarded to the following students:

HELEN A. COMINS
AGNES LOUISE FISH
ETHEL HARNED GAUVRAN
EMILY SEIXAS MENDÈS

FLORENCE ETHEL MORRISON
MARGUERITE MARIE O'KEEFE
JULIA CAROLINE ROSS
SADIE PHILIPS SILVERMAN

ELIZA HATHAWAY WARREN

Commencement Award of Scholarships and Prizes.

HIGH SCHOOL SCHOLARSHIPS in Adelphi College, five in number, entitling the holder to free tuition, open to graduates of Brooklyn high schools, were awarded upon competitive examination as follows:

1. ROSE BRENNER.....of the Girls High School
 2. JOHN F. McDONALD.....of Erasmus Hall High School
 3. MAUREEN P. ELDER.....of the Girls High School
 4. META A. SCHUTZ.....of Erasmus Hall High School
 5. WINIFRED ROSE.....of Erasmus Hall High School
-

THE SARAH CONSELYEA BAKER scholarship for the year 1902-1903 was awarded to GWENDOLEN BROWN of the Class of 1904.

BARLOW MEDALS for excellence in scholarship during the first two years of the College Course were awarded to EUGENE CLARENCE HOWE, Language Course; and KATHARINE WEAVER STONE, Literary Course.

MEDALS, ART DEPARTMENT.

Judges of Award:

PERCIVAL DE LUCE,

GEORGE ELMER BROWN,

GEORGE McCORD.

DRAWING FROM THE ANTIQUE.

Bust.

- | | |
|--------------------------------|--------------------------|
| 1st Prize, Silver Medal..... | CLARA V. ELMORE. |
| 1st Honorable Mention..... | WANDA STORY. |
| 2d " " | BEATRICE LOUISE FOLWELL. |

Figure.

- | | |
|--------------------------------|--------------------|
| 1st Prize, Gold Medal..... | MAY H. BILLINGS. |
| 1st Honorable Mention..... | MARY E. CARPENTER. |
| 2d " " | SUSAN BUCKMAN. |

DRAWING FROM LIFE.

Head.

1st Prize, Silver Medal.....	MARIE E. UHLIG.
1st Honorable Mention.....	MABEL BROWN.
2d " " 	ANTHONY GUARINO.

Figure.

1st Prize, Gold Medal.....	ANNA J. H. BURKY.
1st Honorable Mention.....	MARIE E. UHLIG.
2d " " 	ETHEL MOORE.

PAINTING.

Draped Model.

1st Prize, Silver Medal.....	ANTHONY GUARINO.
1st Honorable Mention.....	MARGUERITE C. ROBINSON.
2d " " 	ANNA J. H. BURKY.

Nude Figure.

1st Prize, Gold Medal.....	DAVID HOLLAND.
1st Honorable Mention.....	MAX HERMANN.
2d " " 	ANTHONY GUARINO.

GIFTS DURING THE YEAR 1902.

Since the issue of the last catalog the following gifts have been received:

1. MISS HELEN E. REDDING, of the class of 1901, gave a large bookcase, which has been placed in the Study Room of the Normal Course.

2. MR. J. D. McLAURIN gave a series of photographs illustrating lumbering in the province of Ontario.

3. By the efforts of Mr. JOSEPH GALE DUNN, of the class of 1905, and of his associates upon the editorial staff of *The Adelpian* during the year 1901-1902, a fund of more than sixty-five dollars was secured with which there is to be purchased and appropriately placed within the buildings some suitable memorial to the lamented Dr. William A. Dunn, Assistant Professor of the English Language and Literature in Adelphi College, who died Oct. 18, 1901.

4. MRS. EDWARD P. SMITH presented three heliotypes of the poets Bryant, Longfellow and Whittier.

The Chemical Department of Adelphi College has received four gifts as follows:

5. From H. A. METZ, 122 Hudson St., New York, a collection of Coal Tar Products, aniline colors and synthetic products derived from Coal Tar.

6. From SYKES & STREET, 85 Water St., New York, a complete collection of the Acid and Basic Standard Coal Tar Products and a complete set of sample books illustrating the same as manufactured by the St. Denis Co. of Paris.

7. From MR. GEO. H. WAGNER of Basle, Switzerland, through Messrs. Sykes & Street, New York, Type samples of Coal Tar Products of the chemical works formerly known by the name of Sandoz of Basle, Switzerland.

8. MR. ALFRED S. MILES, 70 Williams Ave., presented two boxes of minerals.

9. MRS. GEORGE M. HOPKINS and MR. ALBERT A. HOPKINS have presented to the Department of Physics a large part of the apparatus designed and constructed by the late Mr. George M. Hopkins. This extensive collection embraces many pieces of historic interest and many of value for lecture table demonstrations. Among these may be named, a very large gyroscope, a sonometer, xylophone, Chladni plates, manometric capsule, sounding flames, sound mill driven by the vibrations of a telephone diaphragm, resonators, electric chimes, large tangent galvanometer, hand power dynamo, water rheostats, microphone, telephone and telegraph apparatus. There are many parts which can be combined into useful apparatus, and much material suitable for repairs and construction in the laboratory.

10. The ACADEMY CLASS OF 1911 gave a carbon photograph of Andrea Del Sarto's St. John, and a photograph of "El Capitan" in colors, which pictures were placed in Room 24 of the Academy Building.

11. DR. NATHANIEL S. ROBINSON presented to the department of Physics an induction coil which gives a spark thirteen inches long.

12. MRS. CHARLES R. BAKER gave the endowment of a free scholarship to be called the Sarah Conselyea Baker Scholarship. See page 39.

13. THE ROCKEFELLER FUND.

On the 11th day of April, 1902, Lieutenant-Governor Woodruff, President of the Board of Trustees, announced that Mr. John D. Rockefeller had promised to give to Adelphi College the sum of \$125,000 on condition that the friends of the College should raise an equal sum. On the 1st day of May, twenty-four hours less than three weeks after the original announcement, Lieutenant-Governor Woodruff was able to declare that the requisite sum of money had been subscribed, thereby insuring to the College the gift of \$250,000. In grateful recognition of the generosity which secured this fund for Adelphi College, the list of subscribers is recorded here as follows:

JOHN D. ROCKEFELLER.....	\$125,000
INDIVIDUAL SUBSCRIPTIONS FROM THE DIRECTORS OF THE BROOK- LYN RAPID TRANSIT COMPANY.....	20,000
ADELPHI BOARD OF TRUSTEES.....	15,000
TIMOTHY L. WOODRUFF,	JOHN C. KELLEY,
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(Mrs. J. W. Hollenback),	WILLIAM A. JAMISON,
JOHN N. BEACH,	REV. S. P. CADMAN, D.D.

The contribution here credited to the trustees (\$15,000) is the amount subscribed by them subsequent to the Rockefeller offer, whereas the original amount pledged by the Trustees (\$25,000) was in reality more than subscribed by them.

IN NAME OF CHARLES PRATT & Co. by CHARLES M. PRATT, JOHN GIBB, J. W. HOLLENBACK, JAMES N. JARVIE, A FRIEND, and WILLIAM C. WHITNEY, each \$5,000, amounting to.....	\$30,000
AN OLD FRIEND OF ADELPHI.....	3,500
C. W. SEAMANS and CASH, each \$2,500, amounting to.....	5,000
L. H. BIGLOW.....	2,000
ABRAHAM & STRAUS and FRANK S. JONES, each \$1,500, amounting to.	3,000
H. H. BENEDICT, EUGENE G. BLACKFORD, JOHN CLAFLIN, J. HENRY DICK, WILLIAM DICK, BROOKLYN DAILY EAGLE, L. A. FISH, A. FRIEND, H. O. HAVEMEYER, MRS. CAROLINE C. HOAGLAND, WILLIAM H. MALE, HENRY W. MAXWELL, J. ROGERS MAXWELL, MECHANICS BANK THROUGH BOARD OF DIRECTORS, CHARLES A. MOORE, W. D. MUNSON, WILLIAM H. NICHOLS, A. E. ORR, LOWELL M. PALMER, WILLIAM V. R. SMITH, and ALFRED T. WHITE, each \$1,000, amounting to.....	21,000
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PROCEEDS OF AN ENTERTAINMENT, PER MISSES REBECCA LANE HOOPER and EDITH WILKINSON.....	350
MRS. J. E. KELSEY and MRS. HORACE J. MORSE, each \$300, amounting to.	600
J. E. BATES, WILLIAM BERRI, ISIDOR M. BON, GEORGE W. CHAUNCEY, E. D. CHURCH, CHARLES COOPER, DESMOND DUNNE, O. K. ELDREDGE AND DAUGHTERS, R. ERBSLÖH, CHARLES S. HAIGHT, WILLIAM M. HASTINGS, HENRY HENTZ, S. W. JOHNSON, E. R. KENNEDY, E. H. KIDDER, HERMAN A. METZ, D. P. MORSE, J. J. PIERREPONT, GEORGE H. ROBERTS, JR., SMITH, GRAY & Co., and SILAS TUTTLE, each \$250, amounting to.....	5,250
CHARLES H. FLETCHER and J. T. UNDERWOOD, each \$200, amounting to.	400
W. W. MARSHALL and J. V. MESEROLE, each \$150, amounting to...	300

J. M. BACON, LEGRAND BEERS, MISS M. ELIZABETH BEERS, JONATHAN BULKLEY, A. W. CATLIN, M.D., MRS. IDA FOSTER CRAMPTON, JOHN DITMAS, MARSHALL S. DRIGGS, JOSEPH FAHYS, GEORGE GUDEWILL, HENRY R. HEATH, NORMAN P. HEFFLEY, JAMES R. HOWE, H. B. KETCHAM, THOMAS W. KILEY, ADOLPH KUTTROFF, WILLIAM A. NASH, I. S. REMSEN, D. I. ROGOW, S. P. STURGIS, and FRED UHLMANN, each \$100, amounting to.....	\$2,100
A DINNER PARTY.	95
WALTER L. GREEN and JOHN T. HOWARD, each \$25, amounting to..	50
W. F. SMITH.	20

Total from Mr. Rockefeller, Trustees and Friends.....\$250,165

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MARGARET HOLMES, President.	
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SENIOR CLASS AND FRIENDS.....	533 00
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KINDERGARTEN TRAINING CLASS, 1902..... 59 00

HELEN A. COMINS, LILY OLIVIA FAULKNER, AGNES LOUISE FISH, BLANCHE FOWLER, ELEANOR FRIEND, JOSEPHINE FRITH, ETHEL H. GAUVRAN, GERTRUDE M. HALE, EMMA C. LEACH, MAY FRANCES MENAHAN, AGNES MOORE, FLORENCE E. MORRISON, MARGARET O'KEEFE, MARTHA READ, JULIA C. ROSS, SADIE P. SILVERMAN, MARION SPOONER, LILA H. WARREN.

FRATERNITIES 500 00

CHI PI KAPPA, PHI BETA PSI, THETA ALPHA, A FRATERNITY.

UNCLASSIFIED. 54 00

SHAKESPEARE CLUB, TENNIS TOURNAMENT, STUDENTS' ASSOCIATION, Room 50.

ADELPHI ACADEMY,

SUB-COLLEGIATE DEPARTMENT.

THIRD YEAR A.....	\$518 50
CLIFFORD M. BISHOP, ELI H. BISHOP, JESSIE B. BRUYN, BLANCHE G. CANTOR, MARY C. CARPENTER, ROBERT CASAMAJOR, ARVILLA R. ELDREDGE, MARY K. FLAGLER, MARION FRAZIER, ARTHUR R. GABRIEL, SAMUEL GABRIEL, GORDON M. HOWE, E. B. HUMPTSTONE, RUTH INGRAHAM, EDNA JEFFERY, CHARLES W. JOHNSTON, ALICE L. JUHRING, JOHN C. JUHRING, WILLIAM L. JUHRING, WILLIAM B. KELLER, JR., MIRA A. KELLY, ENID LIMA, M. MADOLIN MAPLES DEN, CHARLES N. MCKAY, HARRIETTE S. NASON, FLORENCE PARKER, MARIE D. PEROZO, EDGAR G. PFARRE, MARIANNA S. POTTER, EDITH QUINBY, FRANK RAVELO, SEBASTIAN RAVELO, ARTHUR B. ROWLAND, PHILIP L. SEMAN, FRANK SITTIG, BAYARD B. SNOWDEN, JANE E. THURSTON, EDITH B. WALL, MARGUERITE WELLES, A. B. WILLIAMS, JAMES N. WORCESTER.	
THIRD YEAR B.....	450 00
HENRY C. BARTELD, HELEN M. BROOKS, ARTHUR R. BURNS, BERTHA CHAPMAN, BELLE DUBOIS, FLORENCE V. ELDREDGE, BERTRAM GABRIEL, R. N. GILMORE, EDNA A. HASBROUCK, GLADYS HENRY, MRS. L. D. HENRY, ROBERT S. HITCH, ALICE M. HOCART, ADOLPH HOFFMANN, JANE M. HOWE, MABEL I. JUHRING, ROBERT S. KELLEY, AARON LEVY, MIRIAM LEVY, EDWARD MCFARLAN, MRS. S. A. MCFARLAN, BESSIE MACINNES, JEROME F. MANTILLA, JAMES J. MATCHETT, JOHN T. MATCHETT, GRACE MILLS, MABEL SWEZEY, GRACE SWEZEY NICHOLS, MABEL RICHARDS, GRACE B. POWELL, HAROLD B. PLATT, RUTH SNYDER, GRACE STAGEN, FLORA B. TOMPKINS, GRACE VANDEWATER, JULIA WELLES, BESSIE WHITE.	
SECOND YEAR.....	362 50
DONALD B. ABBOTT, GEORGE ANDERSON, LOUISA S. BABIDGE, MALCOLM BANKS, GRACE A. BROADHURST, MAX BUCHENBERGER, EDWARD BURN, HENRY BURN, EDNA BURR, CLARA BUTLER, REGINALD W. CATLIN, EDWARD CHAPIN, G. DUANE COOPER, STARR COOPER, DWIGHT H. CROMBIE, BESSIE CROOK, LOUIS C. CUMMINGS, JOHN D. CUTTER, JR., HAROLD E. DANA, BEATRICE L. FOLWELL, SUMNER FORD, VERA M. GOD-	

FREY, GRACE H. GRAEF, HAZEL HEISSEN BUTTEL, ALICE HILL, OLGA HOCART, WILLIAM E. HOSCHKE, LORETTA HOWARD, SADIE JOHNSTON, IMOGENE LAWRENCE, EDWARD A. LESLIE, JR., FLORENCE M. LESLIE, ISAAC LEVY, MAY LEVY, NATHALIE MATSON, WILLIAM S. MAXWELL, ZEB MAYHEW, DORA MURDOCK, G. MADELINE OGG, BEATRICE OLTROGGE, FLORENCE M. OVERTON, R. MURIEL PELL, MATHILDE PERZO, LILLIAN E. POST, ROBERT PRODDOW, WALTER E. RAND, WINTHROP M. SAYER, ETHEL SHADBOLT, EVA M. SHIFF, L. OLIVER SHIFF, ADA SMITH, FLORENCE M. SMITH, FRANK G. SMITH, WINIFRED TATE, WILLIAM O. TOMKINS, CLARENCE E. WALKLEY, GLADYS WHITNEY, MARGUERITE M. WILLIAMSON, FREDERICK D. WOOD, HERBERT A. WYCKOFF.

FIRST YEAR. \$193 30

JOHN AGUILAR, CLARENCE BARNDOLLAR, EDNA BATT, SIMON BATT, CORNELIUS BEATTY, MABEL H. BIEDERMAN, ETTA M. BOSCH, VIVIEN BROWN, ELSE BUCHENBERGER, ANNA BURSCH, CHARLES A. CARPENTER, LUCILE COCHRAN, HÉLÈNE CRITCHLEY, RUTH E. CROMBIE, HELEN P. CUTTER, WESLEY DINGEE, CLIFFORD DUNNING, JOHN FRENCH, AARON V. FROST, ROBERT M. GILMOUR, JR., A. FREEMAN GRAY, JR., EDNA GRIFFITHS, MARGARET G. HOMER, JULIAN HUMPHREY, GERTRUDE IRISH, WILLIAM JACQUES, DONALD JADWIN, CLARA KAUFMANN, ISABELLA KELLY, ADA LICHTENSTEIN, GEORGIANNA LICHTENSTEIN, HORTENSE S. LORETZ, ALEXIUS LOUGHRAN, HÉLÈNE LOUGHRAN, ARTHUR LUNDGREN, WINIFRED MARSHALL, ADELE MARTIN, KEITH F. McVAUGH, J. WARD MELVILLE, MARGARET OELAND, MAE C. PETTIT, GERTRUDE PFARRE, WILLIAM E. PRITCHARD, J. RANDOLPH QUINN, J. RANDOLPH QUINN, JR., ANNA ROSEBROCK, SOPHIA ROSEBROCK, MARGARET SCHRADIECK, F. MONROE DE SELDING, MAUDE STILLMAN, EDNA STOUGHTON, CHARLES T. SWEENEY, GERTRUDE TAYLOR, ANNA TOMPKINS, HELEN WING, CHARLES C. D. ZERWECK, FRIEDA ZERWECK.

ADELPHI ACADEMY,

GRAMMAR DEPARTMENT.

EIGHTH GRADE. 506 09

EDITH G. BURRELL, SIDNEY B. CARRAGAN, FRANCES CHRISTMAS, DOROTHY CHAPPELL, HELEN CINNAMOND, PHILIP S. COMSTOCK, MARIAN CUTTER, MILDRED FIRTH, F. E. FOUN-

TAIN, THEODORA GOLDSMITH, M. R. HUBBS, LOUISE KLIPSTEIN, W. T. KNOX, CHARLES L. LEVERMORE, FRANK E. MCCORMICK, J. MCCORMICK, JOHN MCCORMICK, S. E. MCCORMICK, HELEN G. MILLER, DOROTHY MOTT, HELEN M. POST, JESSIE W. POST, A. MERRELL POWERS, VERNON RADCLIFFE, CHARLOTE RAWSON, EDNA SHEPARD, MILDRED SNOW, DAVID W. SWAIN, JOHN D. VON GLAHN, A. C. WELCH, CEDRIC R. WOODWARD, AGNES P. ZIMMERMANN.

SEVENTH GRADE.\$1,275 20

WILLIAM B. BAILEY, MRS. J. G. BALMER, CHARLES S. BURR, CLINTON S. BURR, ELIZABETH BURR, KATHERINE B. BURRELL, MARTHA CHAPMAN, RALPH E. CHAPMAN, ESTELLE A. CONSELYEA, ELWOOD N. CORNELL, CORNELIA COUSINS, MARION B. FORD, DONALD FORD, J. FRED FRADLEY, ELSIE GIRTON, WILLIAM W. GOODRICH, VIOLA R. GRANBERY, HOWARD R. HAVILAND, AEIDA S. HEWLETT, HELEN HENDERSON, HARRY P. HOUGH, EDWARD H. HOWE, B. I. IGELEHEIMER, ARTHUR S. JESUP, EDWARD KAUFMANN, AUGUST KLIPSTEIN, JR., ERNEST B. LAWTON, MARGARET LEVERMORE, ELIZABETH P. MARTIN, ROBERT MAYER, D. MAYER, WILLIAM MCCARROLL for ESTELLE MCCARROLL, WALTER V. MCFARLAN, HELEN MILLS, FREDERICK E. MORSE, HAROLD MOTT, ETHEL C. NESMITH, CHESTER U. PALMER, MR. and MRS. GEORGE W. PALMER, MRS. THOS. PROSSER, BARBARA QUIN, LOUISE RING, WILLIS O. ROBB, IRENE B. ROGERS, MATHILDA H. ROSEBROCK, WINTON ROSSITER, REGINALD M. ROWE, CARRIE A. SELIGMAN, F. SELIGMAN, GUTHRIE SHAW, CAROLYN SNOW, H. M. STRAUS, CHRISTOPHER SWEZEY, ELIZABETH W. THAYER, JOHN EDGAR THOMSON, EDWARD B. VOLLMER, JEANNETTE D. WEEKS, HELEN WHITON, MARGARET WINANT, ELEANOR W. WRAY, MILDRED WYCKOFF.

SIXTH GRADE 572 25

MARGERY C. BANKS, WILLARD N. BANKS, ROBERT C. BRANDT, KATHERINE BRYAN, MAY I. CASE, THOMAS F. COUSINS, MILLICENT CRAFTS, HELEN D. HEDGE, LULU M. HAYWARD, DR. C. L. JOHNSTON, HERBERT KLIPSTEIN, WALTER H. KNAPP, FRED C. MEACHAM, FRANK U. NIX for MARGUERITE NIX, NORMA A. PARKER, MRS. S. W. PIERCE, HAROLD ROWE, CARYL SAYRE. E. H. SAYRE, FRANK SQUIER, WINSTON H. STAGEN, B. H. TOBEY for MARGUERITE TOBEY, ALLINE H. WILLIAMS.

FIFTH GRADE. \$500 25

DOROTHY B. BALDWIN, LUCY BALMER, A. CLARKE BEDFORD, ELIZABETH L. BEERS, CELESTINE BONNER, H. M. BRIGHAM, JEROME P. BURR, REGINALD BURR, GEORGE BUSSE, AMY B. CHAPMAN, ALBERT COMSTOCK, WILLIAM COONEY for LLOYD COONEY, J. WESLEY CORNWELL, JR., MARIE ELISE CREAGH, JOHN C. CURRAN for CLAIRE CURRAN, WALTER N. DEGRAUW, EDWARD F. DE SELDING, 2D, DOROTHY FETTEROLF, G. PERCIVAL GABB, HAROLD L. GOODWIN, J. H. HOCART for WILLIAM T. HOCART, GORDON HOGE, OLIVIA KAVANAGH, RUSSELL L. JONES, VINCENT J. LEDWITH, GEORGE K. LEVERMORE, BERTHA N. LITTLEWOOD, MRS. R. J. LOCKITT, GRACE H. MAXWELL, WARREN MURDOCK, CARLETON PALMER, HELEN J. PHILLIPS, C. MAYHEW PHINNY, JR., H. R. RIORDAN, WALTER N. ROTHSCHILD, GORDON L. SCHENCK, ELSIE WICKHAM SMITH, W. E. SPENCER, JR., ZAYDA J. ZABRISKIE.

PRIMARY DEPARTMENT AND KINDERGARTEN.

FOURTH GRADE. 208 65

WILLIAM BARR, FRANK L. BEATTYS, S. R. BELLWS for REYNOLDS BELLWS, JOHN EMAR BIERCK, JR., ELINOR R. BLACKMAN, MARGARETHA BUCHENBERGER, HELEN E. BUTCHER, MARY CORNELIA CATLIN, JOHN D. FLYNN, KATHARINE FREEMAN, BESSIE GREEN, PHOEBE HAWN, HAZEL HEFFLEY, GLADYS HENDRIE, EDWARD A. HIBBARD for COLEMAN HIBBARD, OWEN E. HOUGHTON, JR., DOROTHY HUBBS, H. G. H. for ALLAN B. HULL, J. G. JENKINS for GERTRUDE JENKINS, H. L. LANGHAAR for JEANNETTE LANGHAAR, LILIAN LEVERMORE, VIRGINIA MOLLENHAUER, ETHEL B. PROVOST, MRS. M. J. REARDON for FRANK REARDON, P. C. STAIB for PHYLLIS STAIB, ELIZABETH TAYLOR, F. TRENKMANN, FRANCIS A. WILLIAMS for LAWRENCE WILLIAMS, MARJORIE YOUNG.

THIRD GRADE. 218 90

ELIZABETH L. BEERS, HELEN BEHRENS, S. R. BELLWS for DONALD BELLWS, W. HASSERT BIGGAM, PAUL H. BONNER, DONALD BRAISLIN, HILDA BRUEN, ABBIE CAMBELL, ETHEL L. CHAPMAN, DOROTHEA CREAGH, RUTH DUNNING, MABEL FOSTER, DOROTHEA FREEMAN, GOOD WORKERS' CLUB, MARIE GRAFF, WALTER GREEN, ELIZABETH GREENMAN, GERTRUDE HALLAM, ISABELLA HEDDEN, RALPH HINCHMAN, ISABELLE HOXIE, T. J. JOHNSTON for ELIZABETH W. JOHNSTON, WIL-

HELMINE LAWTON, MARGUERITE MAHAN, WILLIAM MARTIN, CLINTON MILLER, E. M. MILLS, EDWARD MORRIS, DANIEL PARMELEE MORSE, ROBERT NEW, TOBIAS NEW, JOHN B. O'DONOHUE for ADA O'DONOHUE, CLARISSA PETTIT, STEWART PRICE, HENRY P. READ, OTTO RUCKGABER, LLOYD SALT. E. KEENEY SMITH, ORME STAUDINGER, MABEL TILTON, EDWARD TRENMANN, PERCIVAL TRUSLOW, ADELAIDE VOGEL. HERMAN VON GLAHN, HORTENSE WALTER, ULMER WEBER.

SECOND GRADE. \$156 40

EDNA D. ACKERMAN, A. F. ALDRIDGE for DOROTHY ALDRIDGE, MARJORIE B. BOLGER, MARION BURR, EVERSLEY CHILDS, JR., ETHEL L. GRAEF, RUSSELL INGRAM, DOROTHY KIRKMAN, FLORENCE M. KITCHING, W. PROCTOR KNIGHT, DOROTHY LAMPHEAR, H. L. LANGHAAR for DOROTHY LANGHAAR. MARCUS NORMAN MITCHELL, HELEN S. NOSTRAND, LESLEY SAYER, H. A. SINCLAIR, J. S. SPENCER for ELLIOTT A. SPENCER, WHITNEY W. STARK, HELEN TRUSLOW, WILLIAM MARTIN VOGEL.

FIRST GRADE 111 55

A. F. ALDRIDGE for ELEANOR M. ALDRIDGE, VIRGINIE E. DE FREMERY, DOROTHEA B. GLOVER, WILLIAM C. GLÜCK for ARTHUR C. GLÜCK, BENJAMIN A. JESSUP for CONSTANCE L. JESSUP, FRANK LAMBERT for GEORGE M. LAMBERT, CARL K. O'CONNOR, MRS. W. O. ROBB for KENNETH ROBB, KATHARINE C. and LYMAN SACKETT, W. O. SEAMAN for HELEN SEAMAN, DONALD M. SMITH, THIRZA M. SPADONE, FRANK G. WILD for ELEANOR E. WILD.

INTERMEDIATE GRADE. 85 00

DOROTHEA BICKFORD, ALICE I. BLUM, BEATRICE BUTTS. HELEN BUTTS, MRS. BUTTS, J. W. CASILEAR for GRACE CASILEAR, MRS. H. B. COOMBS for MARION COOMBS, MILDRED DOWNY, WILLIAM DOWNY, MRS. J. H. HALLOCK, MADELEINE V. HALLOCK, FRANCIS F. HILL, JR., LAWRENCE KITCHING, MILTON MACDONALD, HARRIET MARSLAND, DOROTHY MOODY, MILDRED ROBINSON, ESTHER SMITH.

KINDERGARTEN. 13 80

WALLACE H. ACKERMAN, JOHN BRAISLIN, MARGARET J. BUTLER, GERTRUDE ESPENSCHIED, HELEN EVERIT, GERTRUDE J. INSLEE, CLIFFORD T. KELSEY, ALBERT E. MARSLAND, JR., DONALD MACDONALD, AGNES PIEL, PEARSALL POST, CEDRIC SMITH.

Summary.

Mr. John D. Rockefeller, Adelphi Trustees and Friends		\$250,165 00
Adelphi Teachers and Friends....	\$2,221 00	
Adelphi College Alumni and Friends	1,876 00	
Adelphi Academy Alumni and Friends	2,585 00	
Adelphi Normal Alumnæ.....	50 00	

College Students.

Senior Class.	\$533 00	
Junior Class	60 00	
Sophomore Class.	195 00	
Freshman Class.	417 00	
Teachers' Course.	326 00	
Kindergarten Training Class.	59 00	
Fraternities.	500 00	
		2,090 00
Unclassified.		54 00

Academy, Sub-Collegiate Department.

Third Year A.	\$518 50	
Third Year B.	450 10	
Second Year.	362 50	
First Year.	193 30	
		1,524 40

Grammar Department.

Eighth Grade.	\$506 09	
Seventh Grade.	1,275 00	
Sixth Grade.	572 25	
Fifth Grade.	500 25	
		2,853 79

Primary Department and Kindergarten.

Fourth Grade.	\$208 65	
Third Grade.	218 90	
Second Grade.	156 40	
First Grade.	111 55	
Intermediate Grade.	85 00	
Kindergarten.	13 80	
		794 30

Total.	\$14,051 49	
Deduct amount credited upon two lists	2,200 00	

Total Subscriptions within
Adelphi.

11,851 49

Grand Total of Subscriptions from all Sources.		\$262,016 49
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REGISTER OF STUDENTS IN ADELPHI COLLEGE, 1902-1903.

THE COLLEGE.

GRADUATE STUDENT.

BRAINE, ELIZABETH M. (B.A., Cornell).

SENIOR CLASS.

✓Auel, Pauline Marie	✓Greene, Katherine Sargent
✓Bliss, Ida Lou	✓Hodges, Kate Louise
✓Burrows, Mary Hester	✓Kennerly, Martha Mason
✓Coppins, Hazel Edna	✓MacNary, Alice Beckwith
✓Crane, William Albert	✓Mitchell, Marguerite
✓Frazer, George	✓Turner, Kate Estelle—13
✓Gray, Temperance	

JUNIOR CLASS.

Amrath, Adele Babette	Kelley, Josephine
Balbin, Emilia Alicia	Koos, Charlotte Kathryn
Boole, Emily Robbins	Lichenstein, Ida May
Briggs, Mae	Nesmith, Ruth Beata—Sp.
Brown, Gwendolen	von Nostitz, Emilie Casperine
Carson, Esther Elizabeth	Perkins, Alice
Casamajor, Martha	Pfeiffer, Jenny Irene
Case, Anna	Plump, Julia Howell
Coddington, Jessie Theodosia	Pritchard, Anna May
Dean, Clara Bartlett	Quinlan, Frances M.
de Fremery, Elinor Vernon	Righter, Jessie Harris
Frith, Marie Stewart	Ritter, Mrs. Alice Emily Borgfeldt
Gauvran, Ethel Harned	Romer, Mary Selleck—Sp.
Graf, Bertha Flora	Scott, Clara Louise
Hall, May Manchester	Stone, Katherine Weaver
Hawkins, Florence Littlejohn	Taber, Marion Heaton
Hochart, Marie T.	Tuthill, Dorothy Elliott
Holden, Gertrude E.	Volentine, Mrs. Mary Foster
Ives, Eloise Stone	Wheeler, Hattie
Jackson, Helen Maria	Whitney, Marion Simpson
Jewell, Edith	Young, Jane Elting—42

SOPHOMORE CLASS.

Barclay, Margaret E. †	Brandt, Wilhelmine S.
Barr, Jessie	Briggs, Ida †
Benson, Ruth †	Brown, Elizabeth Miller †
Birdsall, Ernest Morse	Cappell, Emma M.

Chapman, Emily Gertrude	+	Nearing, Alice	+
Clark, Leila C.		O'Brien, Helen Madge	<i>Elmwood</i>
Coffin, Mary Elizabeth		Powers, Lillian Irene	
Davenport, Florence Cornelia	+	Quick, Anna Gertrude	+
Diffenderfer, Katharine Alarcon	+	Ramsay, Grace Stuart	<i>Different</i>
Dunn, Joseph Gale	+	Roethgen, Nellie Louise	
Forshaw, Frances	+	Sands, Edith Melville	+
Frazier, Marion		Schradieck, Helen Elizabeth	+
Graef, Nellie Trinette	<i>PC</i>	Smith, Mae Poinier	+
Halbert, Anna E.		Starkey, Mary F.	+
Hall, Ethel Reid	+	Sullivan, Janet	
Hathaway, Pauline Parker	<i>Sen</i>	Swan, Jeanne Washburn	+
Hedge, Louise June		Teschmacher, Helen Anna	
Henry, Ida M.		Tobin, Katharine Fitzpatrick	+
Hollingshead, Bessie Louise—Sp.	+	Tomlin, Stella Millicent	<i>PC</i>
Hoschke, Louise Margaret	+	Usher, Matilda	
Kerby, Harriet Adelia		Vanderveer, Ida Jane	+
Livermore, Mary Hoyland	+	Van Vranken, Anna Kellum	+
Mackintosh, Margaret Creighton		Wilding, Agnes Veronica	+
Miller, Lydia		Wood, Cora Belle—49	<i>+</i>
Mudge, Clara Desbrow			

FRESHMAN CLASS.

Anderson, Lorentius Olaf	Geiss, H. Matilda
Artmann, Florentine Emilie	Goldsmith, Beatrice
Bähr, Ida M.	Goodwin, Emily N.
Bennett, Cornelia S.	Haight, Neva
Brenner, Rose	Hall, Mabel Helen
Brisbane, James	Holler, Madeline R.
Brown, Ida Poole	Holzmann, Abraham
Buchanan, Louise	Juhring, Edna Mott
Carpenter, Doris	Kelly, Mira Annie
Casamajor, Robert	Kerrigan, Elizabeth Mary
Cashman, Joseph Francis	Keyes, Angela M.
Chapman, Bertha	Kiendl, May Louise
Clemency, Anna E.	Kobelt, Martha
Commiskey, Grace Ethel	Lima, Enid de Cerqueira
Decker, Fannie Hull	Matteson, Kate E.
Duffey, Florence Josephine	McDonald, John Joseph
Elder, Maureen Pearl	McDonald, Milo F.
Flagler, Mary Kirk	Messerle, Eva Louise
Forman, Frances	Morse, Lillian Anderson
Gardner, Alice M.	Napier, Frances Ermina

Baschay
Staten

Nason, Harriette Stoutenburgh
 O'Malley, Terece Ruby
 Onken, Frederick Ludwig
 Parker, Florence Elise
 Perozo, Marie Dolores
 Peterson, Wilhemina Margareta
 Potter, Marianna Simmons
 Powers, Florence M.
 Pritchard, Harriet Small
 Quinby, Edith—Sp.
 Root, Lula May
 Rose, Emily Winifred
 Sands, Marion
 Schutz, Meta Elizabeth
 Slater, Hattie
 Stehlin, Catherine

Stevens, Ethel
 Stone, Dora Davenport
 Thorne, Beatrice Sara
 Wall, Edith Belle
 Warner, Lillian Aubé
 Washington, Mary E.
 Welles, Marguerite
 Wentworth, Clare Louise—Sp.
 White, Bessie Matilda
 Wilson, Elsie Diossey
 Wilson, Ethel M.
 Wolf, S. Louise
 Wood, Ethel Julia
 Wood, James Macdonald, jr.
 Wright, Edith Fairbanks—71

SPECIAL STUDENTS.

Ameli, Mary J.
 Ashman, Jennie C.
 Bachman, Eleonore
 Baker, Henrietta F.
 Barnes, Matilda Josephine
 Bennett, Kathryn
 Bolduan, Charlotte E.
 Brice, Margaret Jane
 Caldwell, Florence
 Callaghan, Eugenie
 Davis, Charles H.
 Detlefsen, Julia C.
 Dunn, Sarah Elizabeth
 Duurloo, Wilhelmine H.
 Elmore, Mary Elizabeth
 Farnam, Ellen Noble
 Farrell, Frances J.
 Ferguson, Newton J.
 Finnegan, William E.
 Halbert, Matilda C.
 Heidenheim, Bertha
 Hilmer, Daretta
 Hoage, Norma
 Howe, Grace Richards
 Hyde, Justus Chauncey
 Hueston, Jessie E.

Iffla, Florence Edith
 Jones, Edwin
 Jones, Jeanette G.
 Kelton, Mary E.
 Lawrence, Catharine
 Ledger, Marion A. J.
 Loud, Helen F.
 McLaughlin, Mary E.
 McMulkin, Martha J.
 Merryweather, Amelia E.
 Nichols, Ellen Elizabeth
 Orr, Mary L.
 Pearse, Mabel
 Phillips, Anna Lauretta
 Post, Jennie A.
 Powers, Emily C.
 Robinson, Mrs. Cornelia Staggs
 Rowland, Arthur Baker
 Sadvoransky, Rebecca
 Sheehan, Catherine
 Starkey, Warren L.
 Stone, Lucy
 Taaffe, Jennie F.
 Terry, Rebecca
 Walker, Emma
 Wood, Henrietta—52

NORMAL COURSE FOR KINDERGARTNERS.**SECOND YEAR CLASS.**

Farley, Marie Terese
 Faulkner, Lily Olivia
 Fowler, Blanche Folsom
 Friend, Eleanor Hall

Frith, Josephine Elizabeth
 Leach, Emma Alicia
 Moore, Agnes Genevieve
 Read, Martha Burnett—8

FIRST YEAR CLASS.

Brown, Edith Buell
 Carey, Mary Louise
 Carpenter, Alice
 Cassidy, Bonnie Clarke
 Conklin, Harriet Ellen
 Crandall, Virginia Augusta
 Cuddy, Edna Birdsall
 Despard, Adele Louise
 Downs, Bessie Evetson
 Diller, Helen Elizabeth
 Dunn, Mary Myretta
 Eldredge, Arvilla Rogers
 Entwistle, Margaret
 Fisher, Anita Sudden
 Fowler, Jennie Frances
 Gardner, Helen Woodard
 Granbery, Mabel Eunice

Hewlett, Florence C.—Sp.
 Juhring, Alice Louise
 Leavy, Gertrude Marie
 Lockwood, Florence White
 Miller, Daisy
 Murnane, Florence Juletta
 McNeil, Nell Francis
 Page, Augusta Louise
 Pearson, Nellie Regina
 Rhoads, Adeline Isabelle
 Rice, Eliza Fitch
 Seidenberg, Florence Gwendolyn
 Stephenson, Fannie Ethel
 Storm, Alida Vance
 Thorne, May Theresa
 Wolferz, Meta Augusta—33

ART SCHOOL.**DAY CLASSES.**

Ablitzer, Alfred G.
 Anderson, Olive B.
 Barker, Adelaide M.
 Billings, May S.
 Blake, Louise
 Borrelli, Anthony H.
 Braxton, Ernest W.
 Brunning, Elsie E.
 Burke, Julia
 Burky, Anna J. H.
 Burtis, Ella M.
 Christoffels, Antoinette M.
 Crofton, Anna G.
 DuBois, Leola

Edwards, Mrs. Mary E.
 Ehlers, Charlotte Loring
 Ferris, Carrie M.
 Flannagan, Lucy
 Gerehart, Marion I.
 Gesswein, Edward W.
 Gruber, William
 Guarino, Anthony
 Hessel, Edna
 Heyer, Raymond B.
 Hine, Mildred H.
 Hirschhoff, Gustave
 Hitch, Laura D.
 Holland, David

Hopkins, Rena M.
 Kamf, Melissa L.
 Keller, William B., Jr.
 Kent, Mary Emma
 Kessler, Terese
 Klein, Henriette
 Kopke, A la
 Kramer, Lora A.
 Leitner, Mrs. Annie
 Loughlin, Mrs. Andrea A.
 Marsh, Edith M.
 de Mena, Arline Lolita
 Mohrman, Henry
 Morgan, Anna
 Murr, Addie Burgess

Pettinger, H. Jane
 Phelps, Mary F.
 Ray, Edith
 Robinson, C. Marguerite
 Schmickl, Ida A.
 Shoudy, Theodore
 Sliter, Mrs. Mary A.
 Stearns, Leontine D.
 Story, Wanda
 Taylor, Jennie A.
 Turner, Venie E.
 Tyler, Eleanor A.
 Uhlig, Marie E.
 Vernon, Sara L.—57

EVENING CLASSES.

Arons, Joseph T.
 Badger, Charles A.
 Barson, Salin
 Bell, Chester
 Bonner, Catherine M.
 Braxton, Ernest W.
 Bretscher, George
 Burtis, Florence
 Caplain, Hermann
 Carson, Oliver B.
 Christiansen, Max
 Cleveland, Margery
 Codman, Margaret
 Cole, Granger
 Conlin, Thomas
 Cumming, Douglass
 Dawson, Harry P.
 Deitsche, Adolphe
 DeVillis, Joseph C.
 Downs, Eunice M.
 Dreyfuss, Bertha
 Dreyfuss, Carrie
 Durrant, Charles W.
 Dwelle, Vernon
 Eaton, Mrs. Fernie
 Eaton, Mrs. Hugh M.

Erbe, Arthur
 Evans, Mrs. Zaidee
 Fitzmaurice, Mrs. Charles
 Flannagan, Lucy
 Foster, Henry L.
 Gazan, Charles
 Gesswein, Edward W
 Goeben, Ferdinand
 Gotterbaum, Frank
 Gottersann, Frank
 Grunewald, Charles
 Hack, Jacob
 Haege, Charles
 Hammitt, Edwin A.
 Hammitt, Howard
 Hanlon, Louis
 Harrison, Richard
 Hayden, Robert L.
 Heath, Edda M.
 Holland, David
 Hughes, Charles A.
 Hundley, William E.
 Jensen, Catherine A.
 Jordan, Charles
 Jordan, Gustave
 Kahler, Frederick

Kendrick, Earle	Schmitt, Rudolph C.
Kranz, Frederick	Schnell, Emil H.
Lee, Elizabeth T.	Schoenbackler, Emil
Leich, Herbert R.	Seward, William P.
Lester, William	Smith, Bertram
Lewis, Fred B.	Smith, Rudolph
Macoy, May D.	Speth, John
Malone, Daniel	Sustmann, George J.
Maupai, Henry	Thran, Maurice
McLees, William H.	Tuthill, Dr.
Merlin, Kenneth	Tuthill, Mrs.
Messmer, William	Urquhart, George G.
Midhardt, Lucie	Van Altena, Mrs. G.
Morrison, William S.	Van Cleef, Harry P.
Morse, Annie	Van Everen, Jay
Moss, Robert G.	Von Seltzen, Charles
Murr, Addie Burgess	Ward, Norman A.
Palmer, Lizzie M.	Warner, Nadine
Peterson, Miles O.	Washburn, James H.
Peterson, Peter	Wheat, Donald G.
Rathburn, Lillian E.	Wheat, Frank
Renouard, George	Whitmore, B. Olive
Rice, Helen	Wilkins, Myrtle
Rieners, Robert W.	Williams, Arthur A.
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Schmickl, Ida A.	

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Adelphi College

DEPARTMENTS AND SCHOOLS

1. *LANGUAGE COURSE*, Degree, B.A.
2. *LITERARY COURSE*, - Degree, B.A.
3. *SCIENTIFIC COURSE*, Degree, B.S.
4. *NORMAL COURSE*

For Kindergartners and Art Teachers

5. *ART SCHOOL*

For full information concerning these five departments
consult this catalog

6. *ADELPHI ACADEMY*

A thorough preparatory school. For full
information concerning it send for the
Academy circular * * * * *

For all catalogs and circulars address

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Adelphi College, Brooklyn

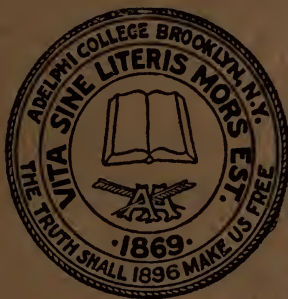
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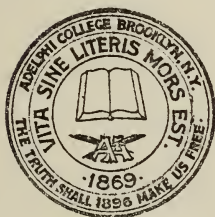
Catalog
1903-1904

Thomas Burke Clark

ADELPHI COLLEGE

CATALOG.

1904.



Lafayette Avenue, St. James Place and Clifton Place,
BROOKLYN, N. Y.

PUBLISHED FOR THE COLLEGE.

1904.

CALENDAR.

1904-1905.

Commencement. Tuesday, June 14, 1904.

Entrance Examinations held at Adelphi

College under the auspices of the College

Entrance Examination Board.....Monday, June 20, to Saturday,
June 25, 1904.

For terms, address: Sec. of Coll. Entr. Exam. Board,

Sub-Station 84, New York City.

Fall Term begins.....Wednesday, September 14, 1904.

Entrance Examinations at the College....September 14-16, 1904.

Recitations beginMonday, September 19, 1904.

Second Term begins.....November 23, 1904.

Third Term begins.....February 1, 1905.

Fourth Term begins.....April 12, 1905.

Commencement. Tuesday, June 13, 1905.

HOLIDAYS.

Thanksgiving Day and the following day.

Christmas Recess.....Dec. 23, 1904, to Jan. 1, 1905, inclusive.

(Exercises close at the end of the afternoon session, Thursday, Dec. 22, 1904. Exercises resumed at 8.50 A. M., Monday, January 2, 1905.)

Spring Recess.....April 21, 1905, to April 30, 1905, inclusive.

(Exercises close at the end of the afternoon session, Thursday, April 20, 1905. Exercises resumed at 8.50 A. M., Monday, May 1.)

All legal holidays are observed.

OFFICE HOURS.

The President, daily, on and after September 12, 9.15 to 10.30 A. M.

The Bursar, session days, on and after September 12, 9 A. M. to 12 M.;
2 P. M. to 4 P. M.

The Dean of the college women, in Room 51, from 9.15 A. M. to 10.00 A. M., session days; for students in teachers' courses Tuesdays, 3.30 to 5.00 P. M.

The Dean of the college men in Room 70; for students in teachers' courses, Tuesdays in the Fall term until Nov. 1st, 3.30 to 5.00 P. M.

Superintendent of the Normal course. For teachers and students, Mondays, 4 to 5 P. M., Room 1. For the public, Wednesdays, 2 to 3 P. M., Room 1.

The Secretary of the Faculty, Fridays, 2.30 to 4 P. M., in the library.

Directors of Physical Education: Dr. Pettit, every morning, except Saturday, 8.30 to 9.15; Thursdays and Fridays, 2 to 3 P. M.; Miss Flagler, Mondays and Wednesdays, 11 A. M. to 12 M.

The Art School is open to visitors for inspection on Wednesday mornings.

The Library is open session days, 8.30 A. M. to 5 P. M.

The Gymnasium is open session days, 9 A. M. to 5 P. M.; Saturdays, at the pleasure of the Director, 9 A. M. to 12 M.

The Registrar's office, Lafayette Avenue entrance, is open daily from 8.20 to 4.30, on and after September 12th, except on holidays and during the usual recesses of the school. From the first of September until the Monday before the beginning of the Fall term, the Registrar's office is open mornings only from 8.30 A. M. to 12 M.

For catalogs and other information address "The Secretary, Adelphi College, Brooklyn."

BOARD OF TRUSTEES.

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EDWIN PLATT TANNER, B.A., M.A. (Columbia, '97, '98),
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HON. FREDERICK E. CRANE, Lecturer upon Law.

M. ANDRÉ MICHEL, Lecturer for the Alliance Française.

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EMILY BURNS MITCHELL,	.	.	.	.	.	.	<i>Bursar.</i>
GEORGE H. TURNER,	.	.	.	.	.	.	<i>Secretary.</i>

ADELPHI COLLEGE.

Adelphi College was incorporated by the Regents of the University of the State of New York, at Albany, Wednesday, June 24, 1896. The degrees issued by Adelphi bear the seals of both the University and the College, and are signed by the Chancellor and Secretary of the Board of Regents, as well as by the officers of the College.

A junior college certificate is granted at the close of the Sophomore year to all students who have satisfactorily completed all the prescribed work of the first two college years.

Students who complete the required amount of work in either the Language or the Literary Course, to the satisfaction of the Faculty, will receive the degree of Bachelor of Arts; in the Scientific Course they will, under similar conditions, receive the degree of Bachelor of Science. Students in the Language Course who are candidates for a degree must offer at least one year's work in a science with laboratory practice. All courses in Adelphi College are open to students without any restrictions concerning sex.

At least fourteen hours a week of class-room work, exclusive of laboratory hours and of time for physical culture, are required in each of the first two years. In each of the Junior and Senior years, twelve hours a week of class-room work are required. All choice of optional studies is subject to the approval of the Faculty. The students in the Scientific Course who wish to make a more technical study of the sciences than is outlined in the Conspectus can do so under the direction of the Faculty.

To students who intend to become teachers, the college courses offer especial advantages in the pedagogical options, which permit a student to present studies preparatory for teaching, as a part of the work leading to a degree. Students who complete satis-

factorily these pedagogical studies and win the Bachelor's degree can gain admission directly to the city examinations for licenses to teach in the public schools.

All the work of the Adelphi Normal Course for kindergartners has also been included among the options offered during the last two years of the college course.

TERMS OF ADMISSION.

Applicants for admission to the Freshman Class in Adelphi College, in any one of the three courses, must be at least fifteen years of age and be able to pass satisfactory examinations in the subjects required for admission to the desired course.

In June, 1904, the entrance examinations of Adelphi College will be the examinations of the College Entrance Examination Board, of which Adelphi College is a member. These examinations will be held June 20-25, 1904, in the large study room on the second floor of the College Building (Clifton Place entrance).

All applications for examination must be addressed to the Secretary of the College Entrance Examination Board, Post-Office Sub-Station 84, New York, N. Y., and must be made upon a blank form to be obtained from the Secretary upon application.

Applications for examination at points in New England, the Middle States, or Maryland, must be received at the office of the Secretary not later than Monday, June 6th.

Applications for examination at other points in the United States or in Canada must be received not later than May 30th.

Applications for examination at points outside of the United States and Canada must be received not later than May 16th.

Applications received later than the dates named will be accepted when it is possible to arrange for the examination of the candidates concerned, but only upon payment of five dollars in addition to the usual examination fee. Candidates filing belated applications do so at their own risk.

The examination fee is five dollars for all candidates examined at points in the United States and Canada, and fifteen dollars for all candidates examined at points outside of the United States and Canada.

Entrance examinations in September will be held at the College on Wednesday, Thursday and Friday, Sept. 14-16, beginning at 9 A. M. Applications for admission to these examinations should be sent to THE REGISTRAR, Adelphi College, on or before Monday, September 12.

Special students of a mature age, not candidates for a degree, may be admitted to courses of study which they are competent to pursue, upon presentation of satisfactory evidence of proficiency.

Candidates for admission to advanced standing will be required to pass satisfactory examinations upon the work already accomplished by the class to which they wish to be assigned.

ORDER OF ENTRANCE EXAMINATIONS.

September 14, 15, 16, 1904.

FIRST DAY. WEDNESDAY.

Cæsar and Cicero.	9.00—10.30
English History.	10.30—12.00
Chemistry, Scientific Course.....	10.30—12.00
Anabasis.	10.30—12.00
Vergil and Sight Reading.....	1.00— 3.00
German.	3.00— 4.30

SECOND DAY. THURSDAY.

English.	9.00—10.30
Iliad and Sight Reading.....	10.30—12.00
Physics, all Courses.....	10.30—12.00
Algebra.	1.00— 3.00
United States History.....	3.00— 4.30

THIRD DAY. FRIDAY.

Geometry.	9.00—11.00
Physiology.	11.00—12.00
Solid Geometry.	11.00—12.00
French.	1.00— 2.30
College Algebra and Plane Trigonometry.....	2.30— 4.30
Ancient History.	2.30— 4.00

I. ENGLISH.

NOTE—No candidate will be accepted in English whose work is notably deficient in point of spelling, punctuation, idiom, or division into paragraphs.

The candidate may offer preparation in the uniform college entrance requirements in English, as follows:

1. *Reading.* The candidate will be required to present evidence of a general knowledge of the subject matter of the books here named and to answer questions concerning the lives of the authors. The form of the test will usually be the writing of paragraphs upon chosen topics.

In connection with these tests, the candidates may present an exercise-book, properly certified by an instructor, containing compositions or other written work done in connection with the reading of the books. The books set for this part of the examination are:

In 1904, 1905: *Ivanhoe*; *The De Coverley Papers*; *The Vicar of Wakefield*; *The Princess*; *The Ancient Mariner*; *Silas Marner*; *The Merchant of Venice*; *Julius Cæsar*; *The Vision of Sir Launfal*; *Carlyle's Essay on Burns*.

In 1906, 1907, 1908: *Shakspeare's Macbeth* and *The Merchant of Venice*; *The Sir Roger De Coverley Papers*; *Irving's Life of Goldsmith*; *Coleridge's The Ancient Mariner*; *Scott's Ivanhoe* and *The Lady of the Lake*; *Tennyson's Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; *Lowell's The Vision of Sir Launfal*; *George Eliot's Silas Marner*.

2. This part of the examination presupposes a more careful study of each of the works named below. The examination will be upon subject matter, form, and structure.

In 1904, 1905: *Macbeth*; *Burke's Speech on Conciliation with America*; *Macaulay's Essays on Milton and Addison*; *Milton's Minor Poems* (*Comus*, *Lycidas*, *L'Allegro*, *Il Penseroso*).

In 1906, 1907, 1908: The same books as in the foregoing list, excepting that *Shakspeare's Julius Cæsar* is to be substituted for *Macbeth*, and *Macaulay's Life of Johnson* is to be substituted for the essay on *Addison*.

2. FRENCH.

a. Minimum requirement. A knowledge of fundamental principles of grammar; as, rules for the formation of the plural and of the feminine in nouns and adjectives, the use of the articles, the place of the pronouns, and the regular and irregular verbs. Reading of two French books, as "*Colomba*," by *Merimée*; "*L'Abbé Constantin*," by *Halévy*; and of two plays arranged by *Bôcher*, such as "*Mademoiselle de la Seiglière*," by *J. Sandeau*; and "*Le roman d'un jeune homme pauvre*," by *Feuillet*. Equivalents may be offered.

b. Maximum requirement. A thorough knowledge of French grammar; use of the tenses, rules for the subjunctive and for the past participle, government of verbs, formation of adverbs, French idioms.

Reading: "*Le Pêcheur d'Islande*," *Loti*; "*La Mare au Diable*," *G. Sand*; "*La Belle Nivernaise*," *Daudet*; "*La Tulipe Noire*," *Dumas*; "*Histoire de France*," *Ducoudray*; "*Quatre-vingt-treize*," *V. Hugo*. *Composition*, based upon the books read. Ability to take part in recitations conducted in French. Equivalents may be offered.

3. GERMAN.

a. Minimum requirement. The rudiments of Grammar (Joynes-Meissner; Thomas), including irregular verbs, elementary rules of syntax, and word order. Translation at sight of German into English and English into German.

Readings: Brandt's Reader; Bernhardt's *Novelletten*; Storm's *Immensee*; or Riehl's *Der Fluch der Schönheit*. Equivalents may be offered.

b. Maximum requirement. An accurate knowledge of the principles of grammar, embracing inflections and syntax, the composition of words, the force of prefixes and suffixes, and the relation of the English and German consonantal changes. Sight translation. Ability to take part in recitations conducted in German. Reading of the following books: Lessing's *Minna von Barnhelm*; Schiller's *Wilhelm Tell*; Freytag's *Aus dem Staat Friedrichs des Grossen*; Goethe's *Hermann und Dorothea*. Composition based on books read, or Harris's *Prose Composition*. Equivalents may be offered.

4. GREEK.

Xenophon's *Anabasis*, 4 books; Homer's *Iliad*, 3 books; sight reading; Woodruff's *Prose Composition*.

5. LATIN.

Cæsar, 4 books or its equivalent; Cicero, 7 orations,—the oration on the Manilian Law to count as two; Vergil, *Æneid*, 6 books. Prose composition based upon Cæsar and Cicero. Sight reading.

6. HISTORY.

- a. Ancient History to the fall of the Roman Empire in the West.
- b. United States History.
- c. English History.

7. MATHEMATICS.

- a. Algebra, through Quadratics and Progressions; Plane Geometry.
- b. Advanced Algebra, or Solid Geometry.

8. SCIENCE.

- a. Physiology, including Elementary Biological Study.
- b. Elementary Chemistry, metals and non-metals.
- c. Elementary Physics; introductory course may be covered in four weekly exercises for one semester with laboratory practice.

N. B.—This requirement (c) will be omitted after 1905.

d. Elementary Physics, at least one year's study, five hours weekly, with laboratory practice.

Requirements for Admission to Each Course.

Of the subjects, numbered from 1 to 8, all candidates must be prepared to pass satisfactory examinations in the following:

English, 1; and Mathematics, 7, *a*, Algebra and Plane Geometry.

In addition, candidates for admission to either the Language Course or the Literary Course must be prepared in one of the following groups of subjects:

Group 1, Ancient History, 6, *a*; Latin, 5; Greek, 4; and either French or German minimum requirements, 2, *a*, or 3, *a*.

Group 2, Ancient History, United States History, and English History, 6, *a*, *b*, *c*, or other historical subjects which have been studied throughout two school years on a basis of four recitations a week; Science, Physiology, 8, *a*, and Elementary Physics, briefer course, 8, *c*; Languages, any two of the following: French, maximum requirement, 2, *b*; German, maximum requirement, 3, *b*; Greek, 4; Latin, 5.

For the Scientific Course, the additional requirements are: United States History, 6, *b*; Science, Chemistry, 8, *b*, and Physics, 8, *d*; Mathematics, Advanced Algebra, or Solid Geometry, 7, *b*; Languages, any one of the following: Latin, 5; French, maximum requirement, 2, *b*; German, maximum requirement, 3, *b*.

Admission by Diploma or Certificate.

Beginning with the school year of 1903-4, graduates of high schools and academies approved by Adelphi College who have successfully completed a four years' course in said high school or academy may be admitted to the Freshman class in Adelphi College upon the evidence of their diplomas. Such students may not become candidates for a degree of B.A. in the college unless they have given evidence of proficiency in two languages other than English. They may not become candidates for the degree of B.S. unless they have given evidence of proficiency in one language other than English.

Preparatory schools which have received from the Faculty of Adelphi College the right of certification may issue to their students, who are candidates for admission to Adelphi College, certificates of scholarship which shall exempt the candidates from examination in the subjects satisfactorily covered by the certificate.

The Registrar of the College will furnish to the Principal of the preparatory school blank forms of the certificate to be used. All such

certificates should be certified to and signed by the Principal of the school, or by responsible instructors in said school. The certificate should state explicitly under each subject of study the text books used, the extent of the work done, the time devoted to it, with dates, and the amount of laboratory work, if any, performed. For subjects in Science the certificates must be accompanied by laboratory note-books.

COURSES OF STUDY.

THE FINE ARTS.

1. CAST DRAWING AND FREE-HAND PERSPECTIVE. Study of light and shade, values and vanishing of lines and objects. Modeling in clay—type forms. Professor WHITTAKER.

2. SKETCHING. Figure Studies. Action, proportion and expression. Composition and Design. Illustration. Professor WHITTAKER.

3. LINEAR PERSPECTIVE. Application to interiors and landscapes. Professor WHITTAKER.

4. PAINTING in all mediums, from still life and the living model. Professor WHITTAKER.

5. INSTRUMENTAL DRAWING. Projection drawing, plane sections, developments, and the construction of working drawings. Mr. LOCKE.

6. DRAWING AND COLOR-WORK IN THE KINDERGARTEN. Freehand and blackboard drawing, water-color, perspective and design, sketching from nature and objects. Normal School both years, twice a week. Miss MORSE.

10. HISTORY OF ART. An examination into the rise and progress of Ancient and Classic Art and the evolution of the Fine Arts in modern times, illustrated by pictures, lantern slides, and collateral readings. Text-book: D'Anvers' "History of Art." References: Vasari's "Lives of the Painters"; Ruskin's "Modern Painters" and "Stones of Venice," with other works of reference and periodicals in the Library. Sophomore year. Language and Literary Courses; two hours a week. Miss BOTH-HENDRIKSEN.

(a) *History of Painting* (twice a week).—Egyptian, Assyrian, Greek, Roman and Byzantine.

Italian Art.—Early renaissance, development and golden age.

Venetian Art.—Its growth, truth and splendor.

Art in Flanders and in Holland.—Likeness and difference.

Art in France.—Peculiar influences and steady development. The four great periods.

Art in Spain.—Mysticism and Realism.

Art in Germany.—Causes of uneven development. Early period; late period.

Art in England.—Reasons for its late development. Tendency to social satire, portraiture and landscape.

(b) *History of Architecture and Sculpture* (twice a week).—Egyptian and Assyrian temples, tombs and palaces. Greek temples, orders and carving. Periods of Phidias, Praxiteles and Alexander. Roman architecture; Early Christian, Byzantine and Romanesque styles. Gothic style and sculpture: Pointed arch superseding the round arch. Decadence: Renaissance architecture and sculpture.

II. THEORY OF ART AND SPECIAL STUDY OF NINETEENTH CENTURY ARTISTS. Beauty in Art. Unity, its application to expression. Principles of Construction: The lintel, column, arch. Art in house-building. Application of Ornament. Etching, Engraving, Lithography, Perspective, Composition. The Human Form in Art. Art in Costume. Chiaroscuro, tone, color, value, touch. Kinds of pictures: Still life, genre, portrait, landscape, marine, devotional, historical. Critical study of contemporary artists of different nations. Junior year, Literary Course, lectures once a week. Miss BOTH-HENDRIKSEN.

Biology.

19. ZOOLOGY AND BOTANY FOR KINDERGARTNERS. A laboratory study of the structure, life histories, habits and relationships of the common animal and plant forms likely to be useful in the Kindergarten. Also a review of the most important systems in human physiology, with especial reference to hygiene and sanitation. First year Normal, three hours a week. Professor GAINES.

20. GENERAL BIOLOGY. The study of living matter and of its relations to lifeless matter. Protoplasm—The Cell. Comparative study of animals and plants by means of a number of selected types, such as *Amœba*, *Paramœcium*, *Hydra*, the earth worm, *Protococcus*, bacteria, yeast, *Nitella*, the fern. References: Sedgwick and Wilson's General Biology, Parker's Elementary Biology, Huxley, and Martin. Junior year, Scientific Course, three hours a week, with laboratory throughout the year. Professor GAINES.

21. COMPARATIVE ANATOMY AND ADVANCED PHYSIOLOGY. Dissection of Vertebrates. Comparative study of various organs. Embryology of the

Chick. Careful study of the microscopic structure and mode of working of the tissues of the human body. Special attention given to the problems of metabolism, and to the development and physiology of the nervous system and its terminal organs. Reference: Foster's Physiology. Martin's Human Body. Sophomore year, Language and Literary Courses, three hours a week, with laboratory course. Professor GAINES.

22. THEORETICAL BIOLOGY. The history of Biological Discovery. The examinations of philosophical problems of Biology: such as heredity, variations, animal metamorphoses, the origin of the individual, instinct and intelligence. Readings and discussions of Darwin, Spencer, Romanes, Weismann and similar authorities. Senior year, three hours a week. Professor GAINES.

23. SANITARY BIOLOGY. Sanitation of the home: its situation, ventilation, heating, plumbing and drainage. Study of the physiological and chemical principles of water and foods. Food analysis: adulterations and dietaries. Elective in the Senior year, three hours a week. Professor GAINES.

24. GENERAL BACTERIOLOGY. Elective in the Senior year, three hours a week. ——— ———.

Chemistry.

31. ELEMENTARY CHEMISTRY. (a) *Chemistry of the non-metals*: Classification; theory of chemical nomenclature; problems; laboratory manipulations. Text-books: Remsen's Chemistry. References: Roscoe and Schorlemmer's Chemistry. (b) *Chemistry of the metals*: Periodic law; methods of reduction; compounds. Text-book and references same as course (a). Freshman year, Language and Literary Courses, three hours a week; laboratory, two hours a week. Professor SHARE.

32. QUALITATIVE ANALYSIS. Tests for bases and acids; analysis of simple salts; analysis of complex mixtures and commercial products. Text-book: Prescott and Johnson's Qualitative Analysis. References: Fresenius' Qualitative Analysis, Elliott's Qualitative Analysis, Wells' Tables. Freshman year, Scientific Course, five hours a week; laboratory, three hours a week. Professor SHARE.

33. QUANTITATIVE ANALYSIS. Preliminary course on known substances of definite composition; practice in methods. General course on ores and commercial products; assays of gold, silver, and lead ores; volumetric and electrolytic methods of analysis. Text-books: Cairns' Quantitative Analysis. References: Fresenius' Quantitative Analysis, Blair's

Analysis of Iron Ores, Crookes' Select Methods, Sutton's Volumetric Analysis, Rickett's Notes on Assaying. Sophomore year, Scientific Course, five hours a week; laboratory, three hours a week. Professor SHARE.

34. ORGANIC CHEMISTRY. Methane derivatives; benzene derivatives; organic analysis; laboratory practice in the preparation of organic substances. Text-book: Remsen's Organic Chemistry. References: Bernthsen's Organic Chemistry, Prescott's Organic Analysis, Blyth's Analysis of Foods, Wanklyn's Water Analysis. Junior year, Scientific Course, six hours a week; laboratory, four hours a week. ——— ———

35. TECHNICAL OR APPLIED CHEMISTRY. Processes for the manufacture of commercial products; advanced methods of quantitative analysis; food analysis. References: Wagner's Chemical Technology, Watts' Dictionary of Chemistry, Thorpe's Dictionary of Chemistry, Sadtler's Industrial Organic Chemistry, Blyth's Analysis of Foods. Senior year, Scientific Course, seven hours a week, lectures and laboratory. ——— ———

Economics.

41. OUTLINES OF ECONOMICS. A general introduction to the study of Economics with the design to familiarize the student with the fundamental principles of the subject. These are examined and illustrated by reference to past and present industrial life in England and the United States. Text-book: Bullock's Introduction to the Study of Economics, supplemented by collateral reading. Recitations, discussions, lectures. Junior year, all courses; first semester, three hours a week. Dr. FRADENBURGH.

42. ECONOMIC HISTORY. A study of the evolution of industrial life, principally in England and the United States, with references for sake of comparison to contemporary conditions on the continent of Europe. Lectures, readings, reports. References: Cunningham's Growth of English Industry and Commerce. Gibbins' History of Commerce in Europe. Toynbee's The Industrial Revolution. Ashley's Introduction to English Economic History and Theory. Senior year, all courses; first semester, three hours a week. ——— ———.

43. PRACTICAL ECONOMICS. This course deals principally with problems of distribution. The leading topics are: The evolution of labor and capital; wages; labor organization, arbitration and conciliation; profit-sharing; co-operation; factory and other labor legislation; the social surplus; municipal economics; socialism. Lectures, assigned readings, papers, discussions. Senior year, all courses; second semester, three hours a week; open to students who have taken course 41. ——— ———.

Education.

50. GENERAL METHODS OF TEACHING. Critical study of the general principles underlying teaching. The course involves observation and criticism of class instruction. Text-books: De Garmo's *Interest and Education* and McMurry's *The Method of the Recitation*. Three hours a week. Second semester, Junior year. Miss MORRILL.

51. CURRICULUM AND METHODS OF TEACHING IN THE ELEMENTARY SCHOOL. Lectures and conferences. Observation of class-room work. Practice teaching. Two hours a week, first semester, Senior year. Professor HENDERSON.

52. SPECIAL METHODS.

The departments of LATIN, ENGLISH, GERMAN, FRENCH, HISTORY, MATHEMATICS and BIOLOGY offer courses in the Curricula and Methods of Teaching each of these Subjects in the Secondary School. These courses are for two hours a week, first semester, Senior year.

53. HISTORY OF EDUCATION. Greek and Roman education. The leading movements in the history of culture from the appearance of Christianity to the nineteenth century and their effects on the schools. Three hours a week, first semester, Senior year.

54. HISTORY OF EDUCATION. This course is designed for Normal students and lays stress on the study of the life in typical schools in history. The work of modern educational reformers is carefully reviewed. Three hours a week, second semester, first year, Normal School. Miss MORRILL.

55. THEORY OF EDUCATION. The relation of education to social life and the part it has played in evolution. Present day problems in education. Lectures, conferences, and reports. Three hours a week, second semester, Senior year. Professor HENDERSON.

56. KINDERGARTEN PRINCIPLES. Discussions, readings, and essays. The purpose of this course is to show Froebel's conception of education through a study of his works and the practical application of his theory to education in the kindergarten; study of the gifts, games, occupations and stories, with reference to their adaptation to child-nature and its development. The following are used as texts and books of reference: Froebel's *Education of Man*, *Pedagogics of the Kindergarten*, and *Mother Play*; Sully's *Studies of Childhood*, Rowe's *Physical Nature of the Child*, Blow's *Symbolic Education*, Preyer's *Mental Development*, Perez's *First Three Years of Childhood*, Compayre's *Intellectual and Moral Development of*

the Child. Second year Normal class, first semester, two hours weekly. Tuesdays and Thursdays at 3.45 P. M. Miss SCOTT.

57. FROEBELIAN THEORY AND METHODS. Continuation of principles as outlined in No. 56, with special reference to "Pedagogics of the Kindergarten" and "Education by Development" in connection with the Gifts and Occupations. Methods of studying and realizing the lessons of the physical environment. Preparation and discussion of Kindergarten programs. Second year Normal, second semester, three hours a week. Miss HARVEY and Miss ROETHGEN.

58. STORIES AND GAMES. Practice in telling and writing kindergarten stories. Classification of the same for practical purposes; as, fairy tales, historic stories, nature stories. Practical playing of kindergarten games. Educational value of traditional and other games as systematized by Froebel.

First year Normal, once a week; second year Normal, twice a week. Miss HARVEY.

59. FROEBEL'S PHILOSOPHY in "The Mother Play." First year and second year Normal, once a week. Miss HARVEY.

60. GIFTS AND OCCUPATIONS. Practical application, lectures, essays and discussions.

Study of their educational value and their place in Froebel's system. First year Normal, six hours a week; second year Normal, three hours a week in the first semester, and four hours a week in the second semester.

Observation in kindergartens, first year Normal, three hours a week; in kindergartens and primary grades, second year Normal, second semester, six hours a week. Miss HARVEY.

61. Application of Froebelian principles to intermediate or connecting class work. For graduates of kindergarten training courses and primary school teachers. References: Froebel's Education of Man, Education by Self-Activity, Education by Development, and Pedagogics of the Kindergarten; Adler's Moral Instruction of Children; Harrison's Study of Child Nature; Blow's Symbolic Education; Hughes' Froebel's Educational Laws. One hour weekly. Miss ROETHGEN.

Elocution.

Individual work in this department is required of each member of the Freshman and Sophomore Classes, and is optional in the other years. Assistant Professor MACFARLANE.

The English Language and Literature.

71. REPRESENTATIVE MASTERPIECES, such as Tennyson's *Idylls of the King*, Ruskin's *Sesame and Lilies*, Carlyle's *Heroes and Hero Worship*, selected essays of Emerson or Lowell. Freshman year, first semester, two hours a week. Miss TUCKER.

72. SHAKSPERE. Five plays are read, two of which are studied in detail. This year *Romeo and Juliet* and *Othello* are made the basis for this intensive study. Dowden's *Shakspeare Primer*. Freshman year, second semester, two hours a week. Miss TUCKER.

73. RHETORIC. A course in practical composition. Discussion of the theory of composition based on Baldwin's *College Manual of Rhetoric*. Essays with regular appointments for the individual criticism of each. Class room themes, and, for a portion of the year, daily themes. Freshman year, one hour weekly. Assistant Professor BURKE and Miss ELLIMAN.

Courses 1, 2, and 3 are required for Freshmen of the literary course and for sophomores of the scientific course.

74. LITERATURE FROM SPENSER TO JOHNSON. The principal authors read are: Spenser, *Faerie Queene*, Book I; Shakspeare, *King Lear*, *Henry IV*, Pt. I, *Hamlet*; The English translation of the Bible; Milton, *Paradise Lost*; Addison, selected essays from the *Spectator*; Dryden, selections; Pope, selections; Swift, *Gulliver's Travels*, and selected essays; Johnson, selections; Goldsmith, selections, and *She Stoops to Conquer*; Sheridan, *The School for Scandal*. Sophomore year, two hours a week. For students in teachers' courses, Course 74 is an option and is counted as covering four hours a week. Professor BURKE.

75. THE ROMANTIC MOVEMENT. Thomson, Gray, Collins, Cowper, Burns, Wordsworth, Coleridge, Byron, Shelley, Keats, are read. Junior year, three hours a week. Professor BURKE.

Course 75 is the Junior option in English for students registered in the teachers' courses.

76. THE ESSAY. Studies in English prose from Lamb to Lowell. Junior year, two hours a week. Miss TUCKER.

77. ENGLISH POETS OF THE VICTORIAN AGE. Tennyson to Swinburne. Senior year, two hours a week. Professor BURKE.

78. THE NOVEL. A critical study of representative novelists, from Scott to Kipling. Senior year, two hours a week. Offered to Juniors and Seniors if class electing it numbers ten. Miss TUCKER.

79. RECENT ENGLISH AND AMERICAN LITERATURE, a study of authors of the present day. Senior year, one hour a week. Professor BURKE.

80. POETS OF AMERICA FROM BRYANT TO LANIER. Senior year, two hours a week. Offered to Juniors and Seniors if class electing it numbers ten. Miss TUCKER.

81. OLD ENGLISH, from the beginning to 1200 A.D. An elementary course in the beginning and earlier development of the English language and literature. The study is made as literary as is consistent with the acquisition of a solid reading knowledge of the language. Two hours a week. Professor BURKE. [Omitted in 1904-05.]

82. MIDDLE ENGLISH. A survey of English literature from 1200-1500. Chaucer is studied carefully. Attention is also given to the development of the language, to Langland, Mandeville, the romancers, etc. Two hours a week. Professor BURKE.

Courses 82 and 81 are given in alternate years. They are open to Juniors and Seniors.

83. REPRESENTATIVE MASTERPIECES. Tennyson, *Idylls of the King*, and shorter poems. Selected essays of Carlyle, Ruskin, Emerson, and Arnold. Freshman year; first semester, three hours a week. Miss TUCKER.

84. SHAKSPEARE AND MILTON. *Paradise Lost*, Books I and II; *Romeo and Juliet*, *Othello*, Palgrave's *Golden Treasury*, Dowden's *Shakspeare Primer*. Freshman year; second semester, three hours a week. Miss TUCKER.

Courses 83 and 84 are substituted for courses 71 and 73 and 72 and 73 respectively by students registered in teachers' courses.

85. ENGLISH LITERATURE OF THE NINETEENTH CENTURY, including, first, a study of the poetry of the Victorian age, Tennyson to Swinburne, and, second, a critical study of representative novelists from Scott to Kipling. Senior year, three hours a week. Professor BURKE.

Course 85 is the Senior option in English for students enrolled in the teachers' courses.

The French Language and Literature.

91. LITERATURE OF THE NINETEENTH CENTURY. Lectures: The Revolution and Empire; the religious renaissance; German and Italian influences; Romanticists and Classicists. Readings from the works of George Sand, A. de Vigny, Chateaubriand, A. de Musset, Victor Hugo, Dumas, Taine. Four hours a week. Professor SCHARFF.

92. SEVENTEENTH CENTURY FRENCH LITERATURE. Lectures: Spanish

and Italian influences; rise of the French drama; development of the French Tragedy; Comedy in France; influence of the Church. Readings from the works of Corneille, Racine, Molière. Four hours a week. Professor SCHARFF.

93. LITERATURE OF THE EIGHTEENTH CENTURY. Comparative study of the literature of the Seventeenth, Eighteenth, and Nineteenth Centuries. Lectures: English influence; Voltaire's destructive and constructive work; the Encyclopædists; Rousseau's influence and theories of education; diffusion of the philosophical spirit. Collateral readings. Three hours a week. Professor SCHARFF.

94. ORIGINS OF FRENCH LITERATURE. Lectures: General View of the Sixteenth Century; comparison of the French and Italian Renaissance; the period of the Reformation; French Language in the Sixteenth Century. Readings from contemporary literature: Balzac, Guizot, Daudet, Loti. Three hours a week. Professor SCHARFF.

Students who wish to begin French after entering college will be assigned to classes in the usual introductory work.

Geology.

100. GEOLOGY. General course; dynamic, structural, and historical. Text-book; Le Conte's Geology. References: Dana's Geology, Geikie's Geology, Winchell's Geologies. Senior year, all courses; first semester, three hours a week. Professor SHARE.

101. ECONOMIC GEOLOGY. Distribution and utilization of ore deposits, building stone, etc. Text-book: Kemp's Ore Deposits of the U. S. Senior year, Scientific Course; second semester, three hours a week. ——— ———

The German Language and Literature.

106. GOETHE AND SCHILLER. Goethe, *Dichtung und Wahrheit* (selections). *Götz von Berlichingen*, *Egmont*, *Gedichte* (selections). Schiller, *Don Carlos*, *Maria Stuart*, *Gedichte* (selections). Dictation and short themes based on the reading. Three hours a week (see course III). Professor COAR.

107. GERMAN LITERATURE IN THE EIGHTEENTH CENTURY. With special reference to Lessing, Goethe, and Schiller. The following works will be interpreted in the classroom: Lessing, *Laokoon*, *Emilia Galotti*; Goethe, *Iphigenie*, *Tasso*; Schiller, *Die Jungfrau von Orleans*, *Die Braut von Messina*, (*Wallenstein*). Some account will be given of the aesthetic and philosophical views of Goethe and Schiller in connection with a critical study of Schiller's philosophical poems. A Syllabus of Essays and

Collateral Reading will be announced at the beginning of the year. Lectures in German. Three hours a week (see course 112). Professor COAR.

108. GERMAN LITERATURE IN THE NINETEENTH CENTURY. The following works will be interpreted in the classroom: Kleist, *Der Prinz von Homburg*; Grillparzer, *Sappho*; Heine, *Buch der Lieder*; Ludwig, *Der Erbföster* (or *Die Makkabäer*); Hebbel, *Die Nibelungen*; Wildenbruch, *Heinrich*; Sudermann, *Die drei Reiher Federn*; Hauptmann, *Die versunkene Glocke*. A Syllabus of Essays and Collateral Reading will be announced at the beginning of the year. Three hours a week (see course 112). Professor COAR.

109. GERMAN LITERATURE IN THE TWELFTH AND THIRTEENTH CENTURIES. Study of the Middle High German dialect. Hartmann, *Der arme Heinrich*; *Das Nibelungenlied*; selections from Walther von der Vogelweide and Wolfram's *Parzival*. Translation into Modern German. Lectures and collateral reading. Second semester, three hours a week. Professor COAR.

110. GOETHE'S FAUST I AND II. A critical analysis of the drama. Essays and collateral reading. First semester, three hours a week. Professor COAR.

111. GERMAN GRAMMAR AND COMPOSITION. Review of grammatical forms and practice in writing. Required of all Freshmen and Sophomores taking course 106. One hour a week. Professor COAR.

112. ADVANCED GERMAN GRAMMAR. Problems of Syntax and Style. Weekly themes, with conferences.

Required of all Freshmen and Sophomores taking course 107. For Juniors and Seniors this course will count as the equivalent of a course pursued for three hours a week during one semester. One hour a week. Professor COAR.

113. HISTORICAL GERMAN GRAMMAR. This course is open only to students who have had the equivalent of three years of College German or who can satisfy the instructor of their fitness to pursue the course to their advantage. It is intended primarily for teachers of German or for students who purpose to teach, and will count as the equivalent of a course pursued for three hours a week during one semester. One hour a week with conferences. Professor COAR.

The Greek Language and Literature.

116. ATTIC PROSE AUTHORS—SELECTIONS. References: Dyer's *Apology* and *Crito*; Morgan's *Lysias*. Freshman year, first semester, four hours a week. Professor LAWTON.

117. HOMER. Later books of Iliad, selections, or Odyssey, V—VIII. References: Perrin's Odyssey, V—VIII; Lawton's Art and Humanity in Homer. Freshman year, second semester, four hours a week. Professor LAWTON.

118. DRAMA. One play each of Æschylus, Sophocles, Euripides, Aristophanes. Lectures. Sophomore year, four hours a week. Professor LAWTON.

119. ATTIC PROSE. Thucydides, Plato, Demosthenes, selections. References: Morris' Thucydides, 1; Towle's Protagoras; Tarbell's Demosthenes. Junior year, three hours a week. Professor LAWTON.

120. GENERAL HISTORY OF GREEK LITERATURE, with readings from the less familiar authors. References: Jevons' History of Greek Literature, or Jebb's Spirit of Greek Literature. Senior year, three hours a week. Professor LAWTON.

History and Politics.

126. MEDÆVAL HISTORY. The origin and development of feudal society and institutions, the political history of Central and Southern Europe to the close of the Thirty Years' War. References: Adams' Civilization in the Middle Ages, Duruy's History of the Middle Ages, Emerton's Introduction to the Middle Ages and Mediæval Europe, "Epochs of Modern History" Series. Freshman year, all courses; first semester, four hours a week. Dr. FRADENBURGH.

127. HISTORY OF THE RENAISSANCE. A study of the social, religious, and political issues of the age of the Renaissance, the fifteenth and sixteenth centuries. References: Bryce's Holy Roman Empire, Milman's Latin Christianity, Spaulding's History of the Protestant Reformation, Hæusser's Period of the Reformation. Freshman year, all courses; second semester, four hours a week. Dr. FRADENBURGH.

128. ENGLISH HISTORY. A study of political and social progress. References: Green's Shorter History of the English People, Macaulay's History, Lecky's England in the Eighteenth Century, McCarthy's History of Our Own Time. Sophomore year, all courses; first semester, three hours a week. Dr. FRADENBURGH.

129. HISTORY OF FRANCE, from the age of Richelieu to the French Revolution. The Ancient Régime and its successor. References: S. R. Gardiner's Thirty Years' War, Duruy's History of France, Airy's The English Restoration and Louis XIV, Morris' The Age of Anne, Morris' The French Revolution and First Empire, Taine's Ancient Régime and Modern Régime, Kitchin's History of France. Sophomore year, all courses; second semester, three hours a week. Dr. FRADENBURGH.

130. AMERICAN HISTORY. A topical study of American History, with a comparison of political systems. References: Fiske's Beginnings of New England, and Critical Period of American History, Schouler's History, and Wilson's The State, Hart's Epoch Series, and Scribner's American History Series. Senior year, all courses; second semester, three hours a week. ——— ———.

131. HISTORY OF THE NINETEENTH CENTURY. Topical studies in modern history. The age of the settlement of parliamentary government and of racial consolidation. References: The International Statesmen Series, Seignobos' Political History of Europe since 1814; Muller's Political History of Recent Times, Andrews' Historical Development of Modern Europe. Senior year, first semester, all courses; three hours a week. ——— ———.

135 and 136. BIBLICAL LITERATURE AND HISTORY. It is proposed to offer two courses on this subject, one dealing chiefly with the literature and history of the Old Testament, the other, with similar material in the New Testament, and both completing a survey of the whole Bible.

It will be the aim of the former course to investigate the facts and forces that distinguish Israelitish history and literature, and of the latter to trace the origin and growth of Christian institutions and doctrines to the close of the first century.

Such a study should give the student a larger and more exact knowledge of the Bible and make possible a more intelligent appreciation of its influence upon the life of the world.

The following topics will be included in these courses:

135. THE HISTORY OF THE BIBLE. (a) The Old Testament. (b) The New Testament. Manuscript copies. The most important versions. Authenticity of these writings. The English Bible. An outline of Old Testament history to the Exile. The Geography of Syria. The history of the Semitic peoples and of other nations in contact with the Hebrews. Jewish institutions, religious, political and economic. Two hours a week. open to Juniors and Seniors. Professor OSBORN.

136. JEWISH HISTORY FROM THE EXILE TO THE COMING OF JESUS CHRIST. Palestine in the time of Christ. The development of the Messianic idea among the Jews. An outline of the life of Jesus Christ. The apocryphal literature of the Old and New Testaments. The origin and development of the Christian church during the first century.

The lectures and reading will be regarded as an introduction to a careful study of some part of the Old and of the New Testaments. Two hours a week. Open to those who have completed Course 50. Professor OSBORN.

137. SEMINAR IN HISTORY. Open to especially qualified seniors and graduates. Bibliography, reports, historical criticism and discussions. Subject in 1903-04: Brooklyn during the Civil War. Subject in 1904-05: The period of Reconstruction. Two hours a week throughout the year. Dr. FRADENBURGH and Mr. TANNER.

138. THE TEACHING OF HISTORY. A study of the methods of historical instruction. Open to Seniors who desire to become teachers of history in secondary schools. Two hours a week, second semester. Mr. TANNER.

139. EUROPEAN HISTORY. A topical study of European history since the 15th century. The Renaissance and the Reformation; the Ascendency of France; the rise of Prussia and Russia; the era of the French Revolution; National and Parliamentary Growth in the 19th Century. Robinson's History of Western Europe is used as a text-book. Required readings in Adams' Civilization in the Middle Ages, Symonds' History of the Renaissance, "Epochs of Modern History" series, Haeusser's Period of the Reformation, Alzog's Universal Church History, Duruy's History of France, Matthews' French Revolution, Müller's Political History of Modern Times, etc. First year Normal, first semester, three hours a week.

The Italian Language and Literature.

143. ITALIAN CLASSICS. This option will be given in any year if called for by five or more students, and is accepted as a substitute for Junior or Senior Latin, or as a modern language. The language is not taught colloquially, but is discussed as a variation of late Latin, and made a basis for rapid reading in the Italian classics. The course is especially adapted for students proficient in Latin, or in both Latin and French. Besides elementary grammar and easy prose, it will include selections from the Vita Nuova and the Divina Commedia, at least. Open to Juniors and Seniors, three hours a week. Professor LAWTON.

A weekly series of rapid readings from Dante, given as an open course each year if called for, may be regarded as a supplement to Course 143.

The Latin Language and Literature.

145. LIVY. Books XXI and XXII, selections, with Latin Prose based thereon. Freshman year, Language and Literary Courses; first semester, four hours a week. Professor SANFORD.

146. HORACE. Selected epodes and odes. Autobiographical extracts from the satires and epistles. Lectures on Augustan age and Horace's life.

References: Sellar's Roman Poets of the Augustan age, Martin's Horace, Shorey's Horace. Freshman year, Language and Literary Courses; second semester, four hours a week. Professor SANFORD.

147. **EARLY LATIN.** Catullus and Lucretius, selections. Plautus; Captivi, Trinummus, Miles Gloriosus; Terence; Andria. References: Sellar's Latin Poets of the Republic, Merrill's Catullus, Kelsey's Lucretius. Sophomore year, Language and Literary Courses, four hours a week. Professor SANFORD.

148. **SILVER LATIN.** Juvenal, Pliny, Quintilian, Martial, Tacitus, selections. Junior year, three hours a week. Professor SANFORD.

149. **LECTURES ON THE LIFE OF THE LATIN LANGUAGE AND LITERATURE,** with readings from less familiar authors and fragments of lost works. References: Cruttwell's or Tyrrell's Latin Literature, Merry's Selections from Latin Poets. Senior year, three hours a week. Professor SANFORD.

Law.

156. **INSTRUCTION IN LAW** is given by a course of lectures and conferences upon "Law as it most closely affects the daily life and needs of the citizen." This course extends throughout the larger portion of the Junior year. Required in all courses. Once a week. Hon. FREDERICK E. CRANE.

Mathematics.

160. **ALGEBRA.** The binomial theorem, logarithms, permutations, combinations, chance, continued fractions, series, undetermined coefficients, elementary theory of equations, solution of numerical equations, and the elementary theory of determinants. Text-book: Fisher and Schwatt. Freshman year, Scientific Course (required); Sophomore year, Language and Literary Courses (elective); second semester, four hours a week. Professor BOWDEN.

161. **SOLID GEOMETRY.** The usual demonstrative work, with numerical applications of the formulas derived. Text-book: Phillips and Fisher. Freshman year, Language and Literary Courses (elective); first semester, four hours a week. Professor BOWDEN.

162. **PLANE TRIGONOMETRY.** Geometrical and analytical derivation of formulas; solution of triangles with use of logarithms; applications to measurements of heights and distances and to surveying. Text-book: Ashton and Marsh. Freshman year, Language and Literary Courses (elective); second semester, ten weeks, four hours a week. Professor BOWDEN.

163. SPHERICAL TRIGONOMETRY. Derivation of formulas and solution of spherical triangles; applications to astronomy and navigation. Text-book: Ashton and Marsh. Freshman year, Language and Literary Courses (elective); second semester, six weeks, four hours a week. Professor BOWDEN.

164. ANALYTIC GEOMETRY.. The equations of the straight line, circle, parabola, ellipse, hyperbola, and a few of the simpler higher plane curves, with an introduction to Solid Analytic Geometry. Text-book: Ashton. Freshman year, Scientific Course (required); Sophomore year, Language and Literary Courses (elective); first semester, four hours a week. Professor BOWDEN.

165. THE DIFFERENTIAL AND INTEGRAL CALCULUS. Simple and successive differentiation of functions, expansion of functions in series, evaluation of indeterminate forms, curve tracing, evaluation of maxima and minima, calculation of areas and volumes of solids of revolution, solution of simple differential equations. Text-book: Gibsen. Junior year (elective), three hours a week. Professor BOWDEN.

166. DESCRIPTIVE GEOMETRY.. Orthographic projection of points, lines and surfaces, the intersection of lines and surfaces, spherical projections, shades and shadows, linear perspective, isometric projections. Text-book: Church. Sophomore year, Scientific Course, first semester, four hours a week. Mr. LOCKE.

167. MECHANICAL DRAWING. Freehand drawing, construction of problems in Geometry, orthographic and isometric projections, plans, sections, and elevations of machines and architectural parts, blue prints, lettering, plotting of surveys, topographical sketches, coloring and shading; development of problems involving the principles of Descriptive Geometry, including shades and shadows, and perspective. Freshman year, Scientific Course, two hours a week; Sophomore year, first semester, one hour a week. Mr. LOCKE.

168. GRAPHICAL MECHANICS, with an introduction to machine design. Senior year, Scientific Course (elective), three hours a week. Mr. LOCKE.

169. SURVEYING. Recitations and lectures on the principles and practice of surveying, adjustment of instruments, practice surveys, levels, and topographical work, computations based upon data thus derived. Sophomore year. Scientific Course, second semester, four hours a week. Mr. LOCKE.

170. ANALYTIC MECHANICS. Composition and resolution of forces, center of gravity, friction, virtual velocities, machines, laws of motion, cen-

tral forces, constrained motion, impact, work and energy, moment of inertia, rotary motion. Text-book: Bowser. Senior year, Scientific Course (elective), three hours a week. Professor BOWDEN.

171. THEORY OF NUMBERS. A course starting with the fundamental ideas and axioms for primary numbers and developing according to William Rowan Hamilton's method of number couples. Text-book: Bowden. Junior or Senior year (elective), one hour a week. Professor BOWDEN.

THE MATHEMATICAL CLUB. This is an organization of teachers and advanced students formed for the purpose of mutual help in mathematical investigation, and as an incentive to original work. The club meets once in three weeks.

THE MATHEMATICAL LIBRARY contains standard works of reference on all the courses and is easily accessible to the students.

Mineralogy.

178. MINERALOGY AND BLOWPIPING. (a) *Crystallography*: Study of crystal models and natural crystals. First semester, first term, three hours a week. (b) *Blowpipe analysis*: Use of the blowpipe; analysis of prepared mixtures. First semester, second term, three hours a week. (c) *Mineralogy*: Physical and chemical characteristics of common minerals; determination of minerals; second semester, three hours a week. Text-book: Moses' Mineralogy and Blowpiping. References: Plattner's Blowpipe Analysis, Williams' Crystallography, Dana's Mineralogy, Brush's Determinative Mineralogy. Senior year, Scientific Course, three hours a week, as above; laboratory, two hours a week. Professor SHARE.

179. METALLURGY. Treatment of ores by furnace, wet, and electrolytic methods. References: Bloxam's Metals, Phillips' Metallurgy, Turner's Metallurgies. Senior year, Scientific Course; first semester, three hours a week. ——— ———.

Music.

185. THEORY OF MUSIC. A course in Harmony, followed by counterpoint, with readings in the history of Music. Two hours a week. Open to Juniors and Seniors. Professor BREWER.

186. VOCAL MUSIC FOR KINDERGARTNERS. Voice culture, sight-reading and transposing. Method in kindergarten songs and marches. Expressive use of voice and piano. Normal School, both years, once a week. Miss KIBBE.

Philosophy.

190. HISTORY OF PHILOSOPHY. A general survey of philosophical thought in ancient and modern times. Passages from the works of repre-

sentative thinkers are selected for special study. References are made to Erdmann's, Falckenberg's, and Lewes' Histories of Philosophy, and to various monographs, as well as to the original sources. Senior year, Language and Literary Courses; first semester, three hours a week; open only to those who have taken course 206 or its equivalent. Professor OSBORN.

191. ETHICS. The more important theories will be discussed, as well as their application to a philosophy of conduct. The method of study will include the discussion of papers upon assigned topics. Text-books: Seth's Principles and Mackenzie's Manual of Ethics. References: Sidgwick's Method of Ethics, Browne's Principles, Watson's Hedonistic Theories, and Sidgwick's History of Ethics. Senior year, Language and Literary Courses; second semester, three hours a week. Professor OSBORN.

Physics.

195. GENERAL COURSE. Properties of solids, liquids and gases, and the study of sound, heat, light, and electricity; with text-book and lectures. Laboratory course accompanying and supplementing these. Reference books: Deschanel's, Ganot's and Barker's Physics, Sabine's Laboratory Course, Zahm's Sound and Music. Junior year, three hours a week. Professor PECKHAM.

196. (a) MECHANICS. Reference books: Deschanel, Vol. I; Wood's Mechanics, Sabine's Laboratory Course, with supplementary exercises, and lectures upon methods of experimenting. (b) METEOROLOGY. Text-book: Waldo. Reference: Davies. Laboratory work in taking and reducing observations and in forecasting weather. Sophomore year, Scientific Course, five hours a week. Professor PECKHAM.

197. (a) HEAT AND THE STEAM ENGINE. Reference books: Deschanel, Stewart, Kinealy. Junior year, first semester. Scientific Course, six hours a week. (b) ELECTRICITY. Theory and Measurements. Reference books: S. P. Thomson, Stewart and Gee, Nichols. Junior year, second semester, Scientific Course, six hours a week. Professor PECKHAM.

198. TECHNICAL ELECTRICITY. The dynamo, its structure and various forms. Motors, systems of lighting and transmission of power. Reference books: Hawkins and Wallis's The Dynamo; Crocker's Electric Lighting. Senior year, Scientific Course, seven hours a week. ——— ———

199. ASTRONOMY. Descriptive, physical and historical, by recitations and lectures, with study of constellations, and laboratory work on spectrum of sun. Reference books: Todd's New Astronomy, Clerke's History of Astronomy in the Nineteenth Century. Senior year, all courses; second semester, three hours a week. Professor PECKHAM.

Psychology.

205. **LOGIC.** The elements of formal logic, deductive and inductive, with a consideration of the nature of judgment. Text-book: Jevons' Elements of Logic supplemented by Creighton's Introduction to Logic. Three hours a week, first half of first semester, Sophomore year. In 1904 the course will, as heretofore, be given to Juniors as well, in the first half of the first semester. Professor HENDERSON.

206. **PSYCHOLOGY.** Elementary analysis of consciousness. Experimental methods are employed. The course is open only to those who are taking the Sophomore work in biology or who have a general knowledge of the structure and functions of the nervous system in man. Text-books: Witmer's Analytical Psychology and James's Psychology (Briefer Course). Three hours a week, second half of first semester and second semester Sophomore year. In 1904-5 the course will, as heretofore, be given to Juniors as well, in the second half of the first semester and during the second semester. Professor HENDERSON.

207. **GENETIC AND EDUCATIONAL PSYCHOLOGY.** The development of mental functions during infancy and childhood. Contributions of analytical and experimental psychology to education. Two hours a week, first semester, Junior or Senior year. Professor HENDERSON.

208. **ELEMENTARY PSYCHOLOGY.** Introduction to the study of psychology. Text-book: James. First year Normal and Freshman year, three hours a week. Miss BRUNN.

209. **PSYCHOLOGY FOR KINDERGARTENERS.** A course of fifteen lectures on Child Study, with selected readings. References: Rowe's Physical Nature of the Child, Oppenheim's Development of the Child, Preyer's Infant Mind, Sully's Studies in Childhood. The application of Psychology to Teaching, especially in the Primary Grades. Text-books: McMurry's General Method and Dexter and Garlick's Psychology in the School Room. Frequent exercises requiring the application of educational principles will be required. Open only to those who have taken course 206 or 208. Second year Normal, three hours a week. Senior College option, the course in Child Study only. Professor OSBORN.

Sociology.

215. **SOCIAL HISTORY.** The origin and growth of society as disclosed in the development of the family and of civil and religious institutions. References: Tylor's Anthropology, Topinard's Anthropology, Ripley's The Races of Europe, Ratzel's History of Mankind. The Anthropological

Series. The Reports of the Bureau of Ethnology and of the Smithsonian Institution. The works of Lubbock, Tylor and Sir Henry Maine. Junior year, all courses, second semester, three hours a week. Dr. FRADENBURGH.

216. SOCIOLOGY. A study of social institutions, with special reference to American conditions. Among the subjects discussed are: Theories of society; heredity and environment as social forces; growth of a community; immigration; social control; municipal problems and industrial problems. References: Ward's Outlines of Sociology, Fairbank's Introduction to Sociology, Cooley's Human Nature and the Social Order, Patten's Heredity and Social Progress, Spencer's Principle of Sociology, Henderson's Defectives, Dependents and Delinquents, Devine's The Practice of Charity, Jane Addams' Democracy and Ethics, Labor Bulletins, Reports of Institutions and Organizations, Inspections of Institutions by the Class. Junior year, all courses, two hours a week. Mr. EASTON.

217. MUNICIPAL SOCIAL PROBLEMS. A study of modern municipal problems. Transportation, Public Health, Problems of Control, Care of Dependent and Delinquent Classes, Education, Political Reform. Senior year, all courses; second semester, three hours a week. References: Zueblin's American Municipal Progress, Shaw's Municipal Government in Continental Europe and Great Britain, Maltbie's Municipal Functions, Goodnow's Municipal Home Rule, Charles Booth's Life and Labor of the People of London, Robinson's Modern Civic Art, reports of city departments, etc. Senior year all courses, second semester, three hours a week. Mr. EASTON.

218. SOCIOLOGY. The origin and growth of society; race characteristics; the rise of cities; modern municipal conditions with special reference to the work of kindergartners. Text-books: Tylor's Anthropology and Wright's Practical Sociology. Second year Normal, second semester, three hours a week.

The Spanish Language and Literature.

220. SPANISH FOR BEGINNERS. Special attention is given to Spanish idioms and colloquialisms as used in Central and South America. Text-books: Giese's First Spanish Book and Reader, and Tolón's Spanish Reader and Translator, with the reading of such works as "La España Pintoresca," by Emilia Pardo Bazan, and "El Capitan Veneno," by Pedro Antonio de Alarcón. Four hours weekly. Miss CUEVAS.

221. INTRODUCTION TO SPANISH LITERATURE. Modern masterpieces in prose and poetry, with a study of Spanish history. Three hours weekly. Miss CUEVAS.

Conspectus of Collegiate Studies

Numerals which follow title indicate number of the Course in "Courses of Study," *q. v.*

Freshman

Total class-room work per week, exclusive of Physical Education and Laboratory work, from 14 to 18 hours.

Numerals which follow title indicate

Freshman

Freshman

Total class-room work per week, exclusive of Physical Education and Laboratory work, from 14 to 18 hours.

Total class-room work per week, exclusive of English					
Language	Weekly Recit's	Literary	Weekly Recit's	Scientific	Weekly Recit's
REQUIRED:		REQUIRED:		REQUIRED:	
Two Languages, 91, 106, } 111, 116, 117, 145, 146. }	8	English Literature, 71, 72. Rhetoric, 73. Mediaeval History and History of Renaissance, } 126, 127. }	2 1	One Language, 91, 106, } 111, 145, 146, 220. }	4
Mediaeval History and History of Renaissance, } 126, 127. }	4	Mediaeval History and History of Renaissance, } 126, 127. }	4	Mediaeval History and History of Renaissance, } 126, 127. }	4
Physical Education.	2	Chemistry, 31, a and b. Physical Education.	3 2	Chemistry, 32. Mathematics, 160, 164. Mechanical Drawing, 167. Physical Education.	5 4 2 2
OPTIONS:		OPTIONS.			
1. English Literature, 71, 72. Rhetoric, 73.	2 1	1. Mathematics, 161, 162, 163 2, 3. Languages, 91, 106, } 111, 145, 146, 220. }	4 each 4		
2. Mathematics, 161, 162, 163.	4				
3. Chemistry, 31, a and b.	3				

Sophomore

Total class-room work, as in previous year

Total class-room work, as in Table I.			
REQUIRED:		REQUIRED:	
One Language, 92, 107, } 118, 147. } 4		English Literature, 74. } History of Art, 10. } 2	
English Literature, 74. } History of Art, 10. } 2		Logic and Psychology. } 205, 206. } 3	
Logic and Psychology. } 205, 206. } 3		Biology, 21. } Physical Education. } 2	
Physical Education. } 2			
OPTIONS:		OPTIONS:	
1. Biology, 21. } 3		1. History of England and } France, 128, 129. } 3	
2. History of England and } France, 128, 129. } 3		2, 3. Languages, 92, 107, } 147, 220. } each 4	
3. One Language, 92, 107, } 118, 147. } 4		4. Mathematics, 160, 164. } 4	
4. Mathematics, 160, 164. } 4			
		REQUIRED:	
		One Language, 92, 107, } 147, 220. } 4	
		English Literature, 71, 72. } Rhetoric, 73. } 2	
		Physics, 196, a and b. } Mathematics, 166, 169. } 5	
		Mech. Draw'g, 167, 1st Sem. } Physical Education. } 4	
		OPTIONS:	
		1. Chemistry, 33. } 5	
		2. History of England } and France, 128, 129. } 3	
		Not more than one can be } chosen. }	

Junior

Total class-room work per week, at least twelve hours

Same for both Language and Literary Courses

Scientific

REQUIRED: { Logic and Psychology, in 1904-'05 only, 205, 206. } 3 { Political Economy, 41, 1st Sem. } 3 { Social History, 215, 2d Sem. } { Lectures upon Law, 156. }		REQUIRED: { Biology, 20. } 3 { Political Economy, 41, 1st Sem. } 3 { Social History, 215, 2d Sem. }	
OPTIONS: 1. English Literature, Romantic Movement, 75 } 3 2. Lectures on Art, 11. } 1 3. Languages, 91, 93, 106, 108, 111, 112, } 3 119, 148, 143, 220. } 6 4. Genetic Psychology, 207, 1st Sem. } 2 5. General Methods of Teaching, 50. } 3 6. Normal Kindergarten, Pedagogical Options, } 6 58, 59, 60, together. } 3 7. Physics, 195. } 2 8. Old English, 81, or Middle English, 82. } 2 9. Sociology, 216. } 2 10. History of the Bible, 135. } 2 11. The Essay or the Novel, English prose } each 2 studies, 76, 78. } 2 12. American Poets, 80. } 2 13. Theory of Music, 185. } 3 14. Mathematics, 165, 171. } 3		OPTIONS: 1. Mathematics, 165, 171. } 3 or 1 2. Logic and Psychology, 205, 206. } 3 3. Chemistry, 34. } 6 4. Physics, 192, a and b. } 6 5. Language, 93, 108, 148, 143, 220. } 3 6. Sociology, 216. } 2 One of the options chosen must be either Chemistry or Physics.	

Senior

Total class-room work per week, at least twelve hours

Same for both Language and Literary Courses

Scientific

REQUIRED:	Philosophy and Ethics , 190, 191.	3	REQUIRED :	Geology, 100, and Astronomy. 199.	3
OPTIONS:			OPTIONS :		
1. Biology, 22, 23, 24.	each 3		1. Economic History, 42, 1st Sem. }		3
2. English Literature. Tennyson to Swin-	2		2. Practical Economics. 43, 2d Sem. }		3
burne, 77.			3. Mineralogy, 178.		3
3. The Novel, Scott to Kipling, 78.	2		4. United States History, 130, 2d Sem. }		3
4. Recent Eng. and American Literature, 79.	1		5. Modern History, 131, 1st Sem. }		3
5. American Poets, 80.	2		6. Technical Chemistry, 35.		7
6. Municipal Problems, 217, 2d Sem.	2		7. Electrical Technics, 198.		7
7. United States History, 130, 2d Sem. }	3		8. Mathematics, 168, 170, 171.		3 or 1
8. Modern History, 131, 1st Sem. }	3		9. Metallurgy, 179, 1st Sem. }		3
9. 10. Geology, 100, and Astronomy, 199.	3		10. Economic Geology, 101, 2d Sem. }		3
11. Languages, 92, 94, 107, 109, 110, 112, 113,	3		One of the options chosen must be either Chemistry or Electricity.		
120, 143, 149, 220. }	3				
12. Middle English, 82.	2				
13. Economic History, 42, 1st Sem. }	3				
14. Practical Economics, 43, 2d Sem. }	3				
15. Elementary Methods, 51, 1st Sem.	2				
16. Special Methods, 52, 1st Sem.	2				
17. History of Education, 53, 1st Sem.	3				
18. Theory of Education, 55, 2d Sem.	3				
19. Kindergarten Principles, 56, 1st Sem.	2				
20. Psychology, Child Study, 208, 1st Sem.	1				
21. Norm. Kind. Pedag. Op., 58, 59, 60, 1st Sem. }	6				
22. " " " " 57, 58, 59, 60, 2d "	6				
23. Froebelian Princiiples in Connecting Class- work, 61.	I				
24. Post Exilian Jewish History, 136.	2				
25. Seminar in History, 137.	2				
26. Mathematics, 170, 171.	3				

Courses 205, 206, 50, 51, 52, 53, 55 together make the Pedagogical Course, which leads directly to examination for State or City licenses. Courses 205, 206, 6, 54, 56, 57, 58, 59, 60, 139, 186, 208, 209, 218 are studies which must be chosen in the Junior and Senior years by students who wish to become trained kindergarten teachers.

TEACHERS' COURSES IN ADELPHI COLLEGE.

1. Teachers and other mature persons whose qualifications are approved by the Faculty may present themselves for admission to the Teachers' Courses in Adelphi College by taking the regular entrance examinations in June or September, or by submitting to the judgment of the Faculty satisfactory diplomas, certificates, or other official evidences of scholastic work done. Applicants for admission, upon presentation of papers or before entering examinations, are required to pay a registration fee of five dollars to the Bursar.

2. Teachers of three years' experience in the High Schools of New York City, or teachers who have taught three years in the Public Schools of New York City under a Grade A certificate, may be excused from entrance examinations in History, Physiology, and Mathematics.

3. Teachers who have been in active service for at least three years shall not be required to pass entrance examinations in English, except in composition.

4. Teachers and other mature persons not candidates for a degree may be admitted to Teachers' Courses as special students upon the approval of the Faculty and the instructor in charge.

5. The courses for the especial benefit of teachers consist chiefly of afternoon, evening, and Saturday morning class-exercises in the prescribed studies of the College curriculum. Such courses will consist of at least two one-and-one-half-hour exercises a week for thirty weeks or, in case of a semestral study, for fifteen weeks. Scientific studies involving laboratory work must, unless otherwise ordered by the Faculty, be studied in residence at the Adelphi. If expenditures in a laboratory course for apparatus and materials shall, for any student, amount to more than the prescribed laboratory fee, the amount in excess may be charged to that student by the Bursar.

6. Teachers who wish to obtain a degree from Adelphi College must complete the prescribed curriculum in one of the three College courses—*i. e.*, the Language, the Literary, or the Scientific—and must spend at least one year as a student, devoting full time to study in Adelphi College, or must take at least eight Residence Courses in Adelphi College. The rule concerning the requirement of eight Residence Courses may be modified, at the discretion of the Faculty, in case of students who are admitted to the College upon letters of honorable dismissal from other colleges. No student who is actively engaged in teaching will be permitted to study more than two subjects in the Teachers' Courses at one time, except by special permission from the Faculty.

7. Students in the Teachers' Courses, who are candidates for a degree, may not take Senior studies until all entrance deficiencies have been made up.

8. All examinations will be held at the usual time in June or September, or in the last week of the first semester. Special examinations may not be held unless by consent of the Faculty and subject to the conditions prescribed by the Bursar.

9. Except by special consent of the Faculty, no instructor shall conduct a class in the Teachers' Courses unless at least five pupils apply for admission thereto.

10. The Faculty will accept properly authenticated certificates of work done within the class-rooms of other colleges, and certificates of work done in summer schools will also receive consideration if issued and guaranteed by a college or university of high standing. Certificates issued by private tutors will not be accepted.

11. An application to be admitted, upon certificate, to Adelphi College in its Teachers' Courses as a candidate for a degree, should be presented, together with certificates, to the Faculty, before June 15th or October 8th in each year. Applications for either Residence or Direction Courses should be filed with the Registrar on or before the same dates. Communications concerning the studies should be addressed to President C. H. Levermore, Adelphi College, or to the Dean's office. The Dean of women students in the College is Miss Alice Blythe Tucker; of the men students, Professor William C. Peckham. The office hours of the Deans are stated on pages 2, 3. Business communications should be addressed to the Bursar.

12. In accordance with the terms of the circular issued by the City Superintendent of Schools, under date of June 24, 1898, and specifying the requirements for a teachers' license No. 2, or Grade A, and for Head of Department licenses, the courses of instruction offered by Adelphi College in its various departments present to teachers a favorable opportunity for performing the work necessary in order to obtain either one of those certificates. For these purposes the City Superintendent approves all college classes excepting those which may be engaged upon the elementary study of a language.

13. All persons who enter the Adelphi Teachers' Course classes are required to enroll their names in the Bursar's office (east side of the Lafayette Avenue entrance), to pay one-half the tuition fee and to receive a card of admittance to the desired class. This card must be presented to the teacher in charge of the class. No pupil, thus registered, may withdraw from the class without notifying the Bursar. No deduction is made on account of absence.

14. In view of recent changes in methods of teaching and the higher qualifications demanded for professional work, neither the course of study in the Training School, nor the head of Department certificate will hereafter be accepted as a substitute for Senior Pedagogics, if made matter of record prior to 1895.

15. Among the courses that will be offered for the next two years, the following may be now announced:

NUMBER OF COURSE.

- 126 and 127. Mediæval History and History of Renaissance, 1904-5.
- 131 and 130. Modern History and United States History, 1904-5.
- 128 and 129. History of England and History of France, 1905-6.
- 41 and 215. Political Economy and Social History, 1905-6.
- 74. Sophomore English, 1904-5.
- 85. Senior English, 1904-5.
- 83 and 84. Freshman English, 1905-6.
- 75. Junior English, 1905-6.
- 161, 162, 163. Freshman Mathematics, 1904-5.
- 31. Freshman Chemistry, 1904-5.
- 21. Sophomore Biology, 1905-6.
- 195. Junior Physics, 1904-5.
- 190 and 191. Ethics and History of Philosophy, 1904-5.
- 205 and 206. Logic and Psychology, 1905-6.
- 106. Freshman German, 1904-5.
- 113. Historical German, 1904-5.
- 145 and 146. Either Freshman Latin, 1904-5, or
- 147. Sophomore Latin, 1904-5.
- . Second year Preparatory Latin, 1904-5.
- 91. Either Freshman French, 1904-5, or
- 92. Sophomore French, 1904-5.
- 10. Sophomore History of Art, 1904-5.

A course in "The principles of education historically considered," will be offered by Miss Sarah E. Scott to a limited number of students with special reference to preparation for the higher examinations in the city school system.

Classes in other subjects will be organized, provided not less than five students apply for the same.

These courses will begin about October 15, 1904, subject to conditions imposed in foregoing regulations. The hour of class-exercise is to be determined by the convenience of both students and teachers.

EXPENSES.

Annual tuition in the College, per quarter, payable in advance.....	\$45.00
Annual tuition, Normal Course for Kindergarteners.....	100.00
No additional charges for Kindergarten material.	
Annual tuition, Normal Art Course.....	75.00
Art School, per quarter, half-day sessions.....	10.00
“ “ “ “ whole day sessions	15.00
For Teachers only, Residence Course, per annum.....	40.00
“ “ “ Registration fee.	5.00
Special examinations, each.	5.00

There are no extra charges in the College Course except for materials used in the laboratories and a fee of five dollars to cover the cost of the final diploma.

Special Students are charged at the rate of \$15 a quarter for each subject studied. Special students in the sciences are entitled to the same amount of laboratory work as that which is required of regular students; for extra work in the laboratories they pay \$10 a quarter for each additional period. No special student is received for less than one quarter. Special students who take three subjects pay the regular rate.

Students in Biology classes will pay a laboratory fee of \$3 to cover cost of materials. Students in the Chemistry classes will make a deposit of \$10 to cover cost of materials. Deposits are to be made with the Professor in charge. No laboratory desk will be assigned before deposit is made. In all Chemistry classes, when breakage or usage exceeds the amount of deposit or the fixed laboratory fee, an additional charge will be made to cover the excess.

The College maintains a Book Room, where all books and stationery may be purchased by the students for cash.

Tuition is payable at the Bursar's office in the Academic Building.

No deduction is made for absence. Students who withdraw during the year are liable for tuition until the Bursar has been notified of the withdrawal.

The price of board and lodging in the neighborhood of Adelphi College is from \$5 a week upward. Table board can be obtained at prices ranging from \$4 a week upward.

Address all business communications to The Bursar, Adelphi College, Brooklyn.

EQUIPMENT.

I. Buildings.—The group of buildings now occupied by the College fills the entire end of the block between Lafayette Avenue and Clifton Place, upon St. James Place. The main entrance of Adelphi College is on Clifton Place. The central building is an assembly hall, 50x72 feet, with sittings for about a thousand persons.

During the noon hour, daily, or from 11.40 to 1.30 o'clock, a warm luncheon can be obtained in a lunch room within the buildings.

The College building is served by an electric elevator.

The College provides accommodations for the clothing of pupils and takes due precaution for the security of such articles, but it cannot be responsible for their safety.

Convenient access to the buildings is provided by the Brooklyn Union Elevated R. R. (DeKalb or Greene Avenue Stations), or by the Greene, DeKalb, Franklin, Vanderbilt, and Fulton electric cars.

By arrangement with the officers of the Brooklyn Rapid Transit Company, special cars are run before 9 A. M. from the Park Slope along Ninth Avenue, and from Flatbush along Nostrand Avenue, to Adelphi, so that the trip may be made without change and for one fare. Time-tables for these routes can be procured at the Bursar's office.

II. The Library and Reading Room.—The Library now contains about nine thousand volumes. In the reading room the principal magazines and all leading educational periodicals are on file. Students also have access to the large collections of the Public Library, which maintains a branch in the vicinity, and to the Pratt Free Library, which is only one block distant from Adelphi. A trifling annual fee secures admission also to the Brooklyn Library, which contains about one hundred and fifty thousand volumes.

III. The Laboratories.—On the third floor of the College building are the mathematical and physical laboratories.

The mechanical drawing room is well lighted and contains a large collection of geometric models and machine types. There is also a complete equipment for the study of surveying.

There are two laboratories for physics, abundantly equipped, and a lecture-room with a seating capacity of one hundred.

The lecture-room is provided with an electric projecting lantern with vertical attachment, polarizing elbow and microscope, and the department possesses a large set of objects for projection. There is an electric lighting and power plant, consisting of a forty-horse power engine, a 250-light U. S. direct current dynamo, and three U. S. motors. During the hours

of session these furnish current in the lecture-room and laboratories and drive the ventilating fans. At other times connection is made with the Edison three-wire system, giving a constant potential of 230 volts.

The fourth floor is occupied by the departments of chemistry and biology. The department of chemistry possesses, besides a lecture-room and a weighing-room, a *Main Laboratory*, a *Quantitative Laboratory*, an *Assay Laboratory*, and a *Blowpipe Laboratory* for the work in mineralogy and blowpipe analysis. The lecture-room has seats for eighty students, and is provided, like the physical lecture-room, with a specially constructed electric projecting lantern, with attachments for horizontal, vertical, and side projection, and special apparatus for the projection of microscopic objects.

A supply room contains a store of extra apparatus, from which the students can obtain all the material they require in their experimental work. This room is arranged for use as a photographic dark room, with complete apparatus for making lantern slides, including a fine copying, enlarging and reducing camera, and complete equipment for electric illumination, rendering it possible to do photographic work at all times without dependence upon sunlight.

In the rooms of the department of chemistry are exhibited the Mineralogical Collection, containing about two thousand specimens and a set of models of crystals. There is also a Geological Collection, including the representative fossils of all formations and large collections of the different kinds of rocks.

The biological laboratories are two in number and are well provided with facilities for botanical and zoölogical study, including dissecting and compound microscopes, a herbarium, mounting apparatus and various reagents, and a large amount of illustrative material, including a fine collection of type-vertebrate skeletons.

IV. The Gymnasium and Playing Field.—The gymnasium is in charge of a Director, who is a physician, and of a lady assistant. The calisthenium is a spacious room provided with a piano, and with the usual equipment of wands, clubs and bells. The remaining space, besides dressing-rooms, bath-room and offices, contains two large rooms well supplied with all modern apparatus. In the central gymnasium are found handball courts and a basketball field.

The playing field is situated near Classon Avenue, between Park Place and Prospect Place. It is near the Franklin Avenue, Bergen Street and Vanderbilt Avenue line of cars, and is about twelve minutes' walk from the College. It contains ball fields, tennis courts, running tracks and a grand stand, with seats for two hundred and fifty persons. Underneath

the grand stand are dressing-rooms, with lockers and bath-rooms. The carriage entrance to the field is on Prospect Place. The ordinary entrance is on Park Place, near Classon Avenue.

V. Scholarships.—In 1902, Mrs. Charles R. Baker founded and endowed a free scholarship in Adelphi College to be called the

SARAH CONSELYEA BAKER SCHOLARSHIP,

in memory of her daughter, who was graduated from Adelphi Academy with the class of 1896.

Five scholarships, of the value of \$180 each, and called THE BROOKLYN HIGH SCHOOL SCHOLARSHIPS, are offered annually to those members of graduating classes in Brooklyn High Schools who show the highest proficiency in competitive examination upon all the subjects required for admission to a course in Adelphi College. If candidates of sufficient merit present themselves, it is intended that each Brooklyn High School shall be represented among the winners of these scholarships, but the Faculty reserves the right to apportion the scholarships if necessary, without regard to the scholastic affiliations of the candidates. As five free scholarships are offered each year it is evident that the College intends to maintain twenty scholarships, of the value of \$180 each, and open by competitive examination to the graduates of Brooklyn High Schools. The examinations will be held in June of each year, usually upon the first three days of the week in which the Adelphi College Commencement occurs. Members of the graduating classes in the Brooklyn High Schools are eligible for admission to these examinations if they are recommended by the principal of the school that they are attending.

For further information concerning these scholarships and examinations address the Secretary of the Faculty, Dr. A. G. Fradenburgh, Adelphi College.

The College devotes each year a certain portion of its resources to the maintenance of scholarships for the benefit of indigent and deserving students. Those who need aid should communicate with the president before November 1st in each year of the College Course. A student applying for aid for the first time is required to present evidence in writing that he is worthy to receive assistance, and that such help is necessary to enable him to continue in collegiate studies. Assistance will be withdrawn from students who are irregular in attendance, or who fail to maintain a reputable scholarship.

VI. PRIZES. The Ossoli Prize.—This prize, having a value of fifty dollars, is offered annually for the best English essay written by a student

in Adelphi College. The subjects are announced in May of each year for the competition during the year following, and the results of the competition are announced at Commencement time.

Barlow Medals.—In December, 1897, Mr. George Barlow, of Brooklyn, gave to the College the sum of \$5,000, to be known as the George Francis Barlow Fund, in honor of the donor's son, who was the valedictorian of the Adelphi Academy Class of 1878. Part of the proceeds of this Fund is devoted to the maintenance of the Barlow Medals, which may be awarded in June of each year to that student in each course of the Sophomore year in Adelphi College who has attended the highest rank in scholarship in all studies during the first two years of the College Course. The remainder of the annual income from this Fund is devoted to the purchase of books, pictures, and apparatus.

Art School Prizes.—In the Art School a number of prizes are awarded to the winners in the annual competitions, which are described more fully in the section of this catalog relating to the department of fine arts. *q. v.*

Adelphi College Prizes in Taxation and Municipal Government.—Ten prizes, amounting in value to a total of \$500, are offered in 1904 for the best essays from Adelphi College students; first, upon some subject in Taxation; and second, for some subject concerning Municipal Government exclusive of the topic of Taxation. There will be five (5) prizes for essays upon subjects in Taxation and five (5) prizes for essays upon other subjects in Municipal Government. In each subject there will be a first prize of \$100, two second prizes of \$50 each, and two third prizes of \$25 each.

VII. Lectures.—Besides the lectures of many kinds maintained annually by Adelphi within its own walls, the students are advised to avail themselves of the exceptional educational opportunities afforded them in the unrivaled lecture and concert courses of the Brooklyn Institute. A merely nominal annual fee admits any one to most of the facilities of the Institute. All of its work is conveniently near Adelphi; some of it is placed every year within Adelphi halls. The new Art Museum of the Institute is not far away and is more and more valuable as an educational force.

THE NORMAL SCHOOL FOR KINDERGARTNERS.

Faculty.

CHARLES H. LEVERMORE, Ph.D., President.

ANNA E. HARVEY, Professor of Froebelian Methods.

Superintendent of the School and Secretary of the Faculty.

FREDERICK W. OSBORN, B.A., M.A.,

Professor of Psychology and Philosophy.

ELIZABETH V. GAINES, B.A., M.A., Professor of Biology.

ERNEST N. HENDERSON, B.A., M.A., Professor of Education.

LOUISE BOTH-HENDRIKSEN, Instructor in the History of Art.

FREDA M. BRUNN, B.A., Instructor in Psychology.

FRANCES H. FLAGLER, Instructor in Physical Education.

CAROLYN S. KIBBE, Instructor in Vocal Music.

ANNA GERTRUDE MORSE,

Instructor in Manual Training and Drawing.

ELIZA M. MOSHER, M.D., Lecturer upon Hygiene.

NELLIE LOUISE ROETHGEN, Instructor in Methods.

SARAH E. SCOTT, M.A., Instructor in Theory of Education.

This course extends through two years. Candidates for admission must be at least eighteen years of age, must have had either a high-school training or its equivalent, and must satisfy the Superintendent that they are competent to study kindergartening with prospect of success. Students who complete the full course and give satisfactory proof of efficiency and ability will receive a diploma certifying to their attainments. Only a limited number of students will be admitted to this school. Students who are found deficient in oral or written English will be obliged to show satisfactory improvement before they can receive the diploma of the school. Students who are qualified to enter the Junior Class in Adelphi College may present the studies of this Normal Course as options in the Junior and Senior years, and as part of the necessary work for a baccalaureate degree.

Course of Study.

First Year.	Second Year.
CLASS-ROOM WORK, 20 HOURS WEEKLY, EXCLUSIVE OF GYMNAS TIC PRACTICE. Psychology, 208, 3 hours weekly. Zoölogy and Botany, 19, 3 hours weekly. Modern History, 139, 1st Sem. } History of Education, 54, 2d Sem. } 3 hours weekly. Gifts and } with Observation, Occupations, } 60, 6 hours weekly. Mother-Play, 59, 1 hour weekly. Stories and Games, 58, 1 hour weekly. Music, 186, 1 hour weekly. Drawing, 6, 2 hours weekly.	IN THE FIRST SEMESTER 15 HOURS WEEKLY ARE DEVOTED TO PRACTICE TEACHING. CLASS-ROOM WORK FOR EACH SEMESTER IS SUBSTANTIALLY AS FOLLOWS: Psychology, 209, 3 hours weekly. Sociology, 218, 2d Sem., 2 hours weekly. Kindergarten Principles, 56, 1st Sem., 2 hours weekly. Froebelian Theory and Methods, with Observation, 57, 2nd Sem., 3 hours weekly. Gifts and Occupations, 60, 1st Sem., 3 hours weekly. Gifts and Occupations, with Observation, 2d Sem., 4 hours weekly. Mother-Play, 59, 1 hour weekly. Stories and Games, 58, 2 hours weekly. Music, 186, 1 hour weekly. Drawing, 6, 1 hour weekly.

Candidates for admission must present certificates from institutions of recognized standing, or be prepared to pass examinations in the following subjects: English (Grammar, Rhetoric, and Literature—the college entrance requirements for the year or their equivalent), General History, Physiology, Plane Geometry, Physics, and three years' study of a language other than English.

Candidates may present themselves for examination in September at the time of Adelphi College entrance examinations, as stated in the College calendar, or in June on the Monday before Commencement. Applications for admission to these examinations should be made at least one week before the date of the examinations, to the Superintendent,

Professor ANNA E. HARVEY, Adelphi College, Brooklyn, N. Y.

Terms: The fee for instruction in the Training Class is \$100 per annum. There are no extra charges for materials.

The Adelphi Normal School for Kindergartners was organized in 1893. The first class, consisting of nine members, graduated in 1895. At the present time sixty-one graduates of this school are teaching. Of this number, forty-three are Directors in public school kindergartens in the city of New York.

The Adelphi Normal Kindergarten Alumnæ Association was organized in 1896. The officers for 1904 are: President, Maud Hamilton, '00; Vice-President, Beulah Munson, '99; Recording Secretary, S. Josephine Bird-sall, '00; Corresponding Secretary, Gertrude Eddy, '01; Treasurer, Bessie H. Thompson, '97. In 1898 this Association directed its efforts toward maintaining a free kindergarten at the Bureau of Charities, 1660 Fulton Street, Brooklyn. This work was carried on most successfully until June, 1901, when the Association transferred this kindergarten to the Free Kindergarten Society, and began to organize and maintain a free kindergarten in connection with the Ridgewood Household Club at 333 Bleecker Street, Brooklyn.

In addition to the practice teaching in the Alumnæ Kindergarten, the Normal students have opportunities to teach in the kindergartens of the Free Kindergarten Society of Brooklyn, of the Church of the Incarnation (Quincy Street, near Classon Avenue), of the Emmanuel Baptist Mission, and in the kindergarten and connecting class of the Adelphi Academy.

THE SCHOOL OF FINE ARTS.**Faculty.**

CHARLES H. LEVERMORE, Ph.D., President.

JOHN B. WHITTAKER,

Superintendent of the Art School, Profesor of Painting and Drawing.

FREDERICK W. OSBORN, B.A., A.M.,

Professor of Psychology and Philosophy.

JOHN HYATT BREWER, F.A.G.O., Professor of Music.

ERNEST N. HENDERSON, B.A., M.A., Profesor of Education.

LOUISE BOTH-HENDRIKSEN, Instructor in the History of Art.

FREDA M. BRUNN, B.A., Instructor in Psychology.

FRANCES H. FLAGLER, Instructor in Physical Education.

CAROLYN S. KIBBE, Instructor in Vocal Music.

L. LELAND LOCKE, B.A., M.A., Instructor in Instrumental Drawing.

CHARLOTTE MORRILL, Instructor in Theory of Education.

ANNA G. MORSE, Instructor in Drawing and Manual Training.

OLIVER WEBB, Instructor in Wood-working.

The whole of the fifth floor of the Collegiate Building is devoted to the Art Department. This is a spacious studio, which is furnished with full- and half-sized statues, large and small torsos, busts, masks, and reliefs. There is also a large room for classes in drawing and painting from life. Besides, there are three rooms for modeling, the making of casts, and for the use of small classes. There is also a manual training workroom. All the studios are open daily from 9 A. M. until 4 P. M.

The special student entering the Art Department is independent of the other departments of the school, and there are no restrictions as to age. One may choose, according to predilection or ability, between the antique, still life, portrait, figure, charcoal, pastel, oil and water color, or he may include all in his studies for which he finds time. Evening classes (antique, life, and sketch) meet on Mondays, Tuesdays and Thursdays from 7.30 to 10 P. M. Terms for evening classes, \$2 per ten weeks. Terms for day classes are \$10 per ten weeks, half-day sessions, or \$15 per ten weeks, whole-day sessions.

Students in this department are admitted to all privileges of the College library and reading room.

The annual exhibition of the work of the pupils of the Adelphi Art School is usually held on the last Friday and Saturday in May of each year.

The drawings of the students are arranged in classes, and prizes are awarded as follows:

Best bust from the Antique.....A silver medal.

Best figure from the Antique.....A gold medal.

Best head from Life.....A silver medal.

Best figure from Life.....A gold medal.

In the class in painting a silver medal is awarded for the best draped figure from life, and a gold medal for the best nude figure from life.

The student who is regarded as showing the greatest improvement during the year receives a silver medal.

The award of all prizes is made by a jury specially chosen for this purpose, which inspects the drawings and paintings upon exhibition. The prizes are presented to the winners during Commencement week.

Those competitors whose work is regarded as next in excellence to that of the winner receive honorable mention.

In all classes in the Art School there is a monthly review of the work of the students and those subjects which deserve especial commendation receive a mark of honor.

NORMAL ART COURSE.

Courses in the Art School and the College have been combined so that they constitute a normal training for students who wish to become teachers of drawing. Applicants for admission to this course, who intend to become candidates for drawing certificates, must be at least 18 years of age, and must either be graduates of a high school or be able to show by examination that they possess an equivalent preparation. All applicants will be required also to pass an examination in drawing, set by the Superintendent of the Art School. Students in the Normal Art Course are required to attend five whole-day sessions weekly (whole-day session, 6 hours), and also such sessions of the evening life classes and the Sketch Club as are designated by the Superintendent. The course is for two years, and a diploma is awarded to those students who complete the work of the course satisfactorily. The fee for instruction in the Normal Art Course is \$75 a year, payable quarterly in advance. All students in this course may, at the discretion of the Superintendent and Faculty, be required to attend courses of lectures upon Art that are among those delivered each year before the Brooklyn Institute.

Course of Study.

Numerals after title indicate number of course in "Courses of Study."
q. v.

First Year.	Second Year.
Cast Drawing and Clay Modeling, 1, 4 half-day sessions. Free-hand Perspective, 3. Sketching and Composition, 2, 3 half-day sessions. Instrumental Drawing, 5, 1 half- day session. History of Art, 10, 2 hours week- ly. Psychology, 208, 3 hours weekly. History and Theory of Education, 54, 55, 3 hours weekly.	Cast Drawing, 1, 1 half-day ses- sion. Free-hand Perspective and Sketch- ing, 2 and 3, 2 half-day ses- sions. Composition, 2 half-day sessions. Water Color, 4, 2 half-day ses- sions. Elementary Manual Training, 3 hours weekly. History of Art, 11, 1 hour weekly. Psychology, 209, 3 hours weekly. Methods of Education, 51 and 52, 3 hours weekly.

For circulars and other information concerning the Adelphi Art School
and Normal Art Course, address the Superintendent,

PROF. J. B. WHITTAKER,
Adelphi College,
Brooklyn.

L' ALLIANCE FRANÇAISE.

L'Alliance Française is a French Association having for its object the cultivation of an interest in the French language and French literature in foreign countries. This association has branches all over the world. There are over sixty in the United States. The Brooklyn branch was organized at Adelphi College in May, 1898. At first the meetings were held in private houses. As the association grew larger, Adelphi offered the use of a room for the regular monthly meetings. In October, 1902, the College also gave the use of its classrooms for the free evening classes in French which have ever since been maintained by the Brooklyn branch. In November, 1903, the Brooklyn Alliance Française was affiliated with Adelphi College by the unanimous vote of the Board of Trustees of the College. The Alliance offers, each year, a silver medal to the best French student in the local high schools. A large bronze medal is also offered to the most proficient student of French in the local evening high schools. Free classes in French are carried on from October to May, three evenings in the week. The Alliance meets once a month, from October until May. These meetings are social gatherings in which French only is spoken. The French lectures given in Adelphi College yearly by distinguished Frenchmen are open to all members of the Brooklyn branch.

In February, 1904, the Alliance Française was requested to take charge of the French Department of the Brooklyn Institute of Arts and Sciences, the president of the Alliance becoming the chairman of the executive committee of that department. During the winter of 1904-1905, a series of lectures on French history, art and literature will be given by Frenchmen under the auspices of the Brooklyn Alliance, Adelphi College, and the Brooklyn Institute. These lectures, in French, will take place twice a month on Tuesday evenings at Adelphi College, beginning in October, and they are open to members of the Alliance, of the Institute and to teachers and students in Adelphi College.

For further information about the Alliance address the Secretary of the Alliance Française, Adelphi College.

STUDENTS' ORGANIZATIONS.

Branch of the Young Women's Christian Association—A. Gertrude Quick, '05, Pres.; Anna K. Van Vranken, '05, Vice-Pres.; Clara D. Mudge, '05, Sec.; E. Winifred Rose, '06, Treas. Departments: Membership, Charlotte K. Koos; Religious Meetings, Clara D. Mudge; Bible Study, Esther E. Carson; Missionary, Grace S. Ramsay; Social, Frances Napier; Inter-collegiate, Ruth Benson.

College Students' Associations for Self-Government—Organized, 1896. *Girls*—Martha Casamajor, '04, Pres.; Emily G. Chapman, '05, Vice-Pres.; E. Belle Wall, '06, Sec.; Genevieve Beavers, '07, Treas. Executive Committee—Seniors: Katharine W. Stone, Gwendolen Brown; Juniors: Katharine F. Tobin, Florence Davenport; Sophomores: Marguerite Welles, E. Winifred Rose; Freshmen: Grace Broadhurst, Grace Delano. *Boys*—Robert Casamajor, '06, Pres.; John J. McDonald, '06, Vice-Pres.

Historical Club—Dr. A. G. Fradenburgh, Pres.; Clara B. Dean, Sec. Exec. Com.: E. E. Proper, Helena F. Heuermann, Alice B. McNary.

The Adelphi Union—An association composed of Adelphi Academy, College and Normal Alumnæ, for the purpose of Christian and philanthropic work. This work had its beginning in a free Kindergarten established by the Normal Alumnæ in 1898, at the United Charities Building, 1660 Fulton Street. Since December, 1899, members of the Academy and College Alumnæ have also maintained in the same building classes for older children; also a penny provident fund and library, the books of which were contributed to the Union by the Academic grades of the Adelphi. President of Adelphi Union, Alice M. E. Pfizer, A., '97, C., '99; Vice-Pres., Anna E. Harvey; Treas., Ethel R. Hall, C., '05; Sec., Susan B. Taylor, A., '96; Directors: Dr. A. G. Fradenburgh, Dean Alice Blythe Tucker, Margaret E. Johnson, A., '97, C., '99, Hazel E. Coppins, A., '01, C., '03.

The Adelpian—Established 1881. Published monthly by the Adelpian Publishing Association. Editors-in-Chief: Starr G. Cooper, A., '04; Josephine Kelley, C., '04. Assistant Editors: Frances Napier, C., '06; Marion Frazier, C., '06; Robert Casamajor, C., '06; Thomas Laux, A., '04; Beatrice L. Folwell, A., '04; Monroe de Selding, A., '05. Business Manager: Allison H. Baer, A., '04; Assistant Business Manager, W. Van Alan Clark, A., '05.

College Girls Glee Club—Prof. John Hyatt Brewer, Director; Charlotte K. Koos, '04, Pres.; Florence C. Davenport, '05, Vice-Pres.; Pauline P. Hathaway, '05, Sec.; Julia H. Plump, '04, Treas.; Elizabeth M. Brown, '05, Librarian; Ruth Benson, '05, Asst. Librarian.

Adelphi College Debating Society—Meta E. Schutz, '06, Pres.; Florence C. Davenport, '05, Vice-Pres.; Rose Brenner, '06, Sec.

Club for Social Studies—William O. Easton, Pres.; Julia H. Plump, '04, Vice-Pres.; Emilia A. Balbin, '04, Sec.; Florence C. Davenport, '05, Treas.

Dramatic Association—Dorothy E. Tuthill, '04, Pres.; Stella M. Tomlin, '05, Vice-Pres.; Florence C. Davenport, '05, Sec.; Agnes V. Wilding, '05, Treas.

Sketch Club—Prof. J. B. Whittaker, Pres.; Mrs. Z. A. Evans, Sec.

Mathematical Club—Dr. Joseph Bowden, Pres.; Miss Clara L. Crampton, 95 Gates Ave., Secretary; every third Tuesday in Room 74, at 4.30 P. M.

Cercle Sévigné—A French social club organized for the purpose of acquiring facility in French conversation. Asst. Prof. Louise Charvet, Pres.; Katharine W. Stone, '04, Vice-Pres.; Adele B. Amrath, '04, Sec.; Frances Forshaw, '05, Treas.

The Round Table—A literary society under this name has been formed for the study of English literature, and of the problems and characters presented by this study. The society aims to give its members practice in literary expression. Officers: Cora B. Wood, '05, Pres.; Rose Brenner, '06, Vice-Pres.; Mary H. Livermore, '05, Sec.

Adelphi College Alumni Association.

Organized Jan. 19th, 1901. Officers: Violette E. Scharff, '00, Pres.; Mrs. Lucy Taylor Lewis, '99, Vice-Pres.; Florence Elliott Martin, '00, Corresponding Secretary; Emily Grant Kelsey, '00, Recording Secretary; Emma Jessie Ogg, '00, Treasurer.

Commencement, June 14-16, 1903.

The baccalaureate sermon was delivered on Sunday evening, June 14th, in the Emmanuel Baptist Church, by the pastor, Rev. Dr. John Humpstone.

The Commencement Exercises were held in the Academy of Music, on Tuesday evening, June 16th. Rev. Spencer S. Roche offered prayer, and an address was delivered by Hon. James M. Beck.

The following persons were admitted to the degree of Bachelor of Arts:

AUEL, PAULINE MARIE
BARBER, SARA MATILDA
BLISS, IDA LOU
BURROWS, MARY HESTER
COPPINS, HAZEL EDNA
CRANE, WILLIAM ALBERT
FRAZER, GEORGE

GRAY, TEMPERANCE
GREENE, KATHERINE SARGENT
HODGES, KATE LOUISE
KENNERLY, MARTHA MASON
MACNARY, ALICE BECKWITH
MITCHELL, MARGUERITE
TURNER, KATE ESTELLE

ENNIS, ISABEL ALGEIRA, as with the Class of 1902.

Diplomas of the Normal Course for Kindergartners were awarded to the following students:

FARLEY, MARIE TERESE
FAULKNER, LILY OLIVIA
FOWLER, BLANCHE FOLSOM
FRIEND, ELEANOR HALL

KELLY, EUGÉNIE S.
LEACH, EMMA ALICIA
MENAHAN, MAY F. V.
MOORE, AGNES GENEVIEVE

READ, MARTHA BURNETT

The Junior College certificate, signifying the satisfactory completion of all the prescribed work of the first two college years, was conferred upon the following students:

BARCLAY, MARGARET E.
BENSON, RUTH
BRIGGS, IDA
BROWN, ELIZABETH MILLER
CHAPMAN, EMILY GERTRUDE
DAVENPORT, FLORENCE CORNELIA
DIFFENDERFER, KATHARINE ALARCON
DUNN, JOSEPH GALE
FORSHEW, FRANCES
GRAEF, NELLIE TRINETTE
HALL, ETHEL REID
HATHAWAY, PAULINE PARKER
HOLLINGSHEAD, BESSIE LOUISE
HOSCHKE, LOUISE MARGARET

LIVERMORE, MARY HOYLAND
NEARING, ALICE
QUICK, ANNA GERTRUDE
SANDS, EDITH MELVILLE
SCHRADIECK, HELEN ELIZABETH
SMITH, MAE POINIER
STARKEY, MARY F.
SWAN, JEANNE WASHBURN
TOBIN, KATHARINE FITZPATRICK
TOMLIN, STELLA MILLICENT
VANDERVEER, IDA JANE
VAN VRANKEN, ANNA KELLUM
WILDING, AGNES VERONICA
WOOD, CORA BELLE

Award of Scholarships and Prizes.

HIGH SCHOOL SCHOLARSHIPS in Adelphi College, five in number, entitling the holder to free tuition in the class of 1907, open to graduates of Brooklyn High Schools, were awarded upon competitive examination as follows:

1. GRACE DELANO.....of the Girls High School
 2. MARION F. RELPH.....of Erasmus Hall High School
 3. LILIAN I. WHITLOCK.....of the Girls High School
 4. CHARLOTTE A. ULRICH.....of the Girls High School
 5. MATILDA A. BREID.....of Erasmus Hall High School
- Winners of similar scholarships in the class of 1906 were:

1. ROSE BRENNER.....of the Girls High School
 2. JOHN F. MACDONALD.....of Erasmus Hall High School
 3. MAUREEN P. ELDER.....of the Girls High School
 4. META A. SCHUTZ.....of Erasmus Hall High School
 5. WINIFRED ROSE.....of Erasmus Hall High School
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THE SARAH CONSELYEA BAKER scholarship for the year 1903-1904 was awarded to GWENDOLEN BROWN of the Class of 1904.

BARLOW MEDALS for excellence in scholarship during the first two years of the College Course were awarded to EMILY GERTRUDE CHAPMAN, Language Course; to CORA BELLE WOOD, Literary Course, with honorable mention of RUTH BENSON, and to JOSEPH GALE DUNN, Scientific Course.

Medals for excellence in the work of the Art School during the year were awarded as follows:

FOR DRAWING FROM THE ANTIQUE.

DRAWING OF THE BUST.

- | | |
|------------------------------------|-------------------|
| 1st Prize, Silver Medal..... | LEOLA DuBOIS. |
| 1st Honorable Mention. | JENNIE L. TUTTLE. |
| 2d " " . | EMMA HESSEL. |

ADELPHI COLLEGE.

DRAWING OF THE FIGURE.

1st Prize, Gold Medal.....	MARY F. PHELPS.
1st Honorable Mention.	JENNIE L. TUTTLE.
2d " " .	ARLINE L. DE MENA.

FOR DRAWING FROM LIFE.

DRAWING OF THE HEAD.

1st Prize, Silver Medal.....	ERNEST W. BRAXTON.
1st Honorable Mention.	MARY F. PHELPS.
2d " " .	NADINE WARNER.

DRAWING OF THE FIGURE.

1st Prize, Gold Medal.....	ANTHONY GUARINO.
Honorable Mention.	DOUGLASS MCCLEES.

FOR PAINTING FROM LIFE.

PAINTING OF THE DRAPED FIGURE.

1st Prize, Silver Medal.....	DOUGLASS MCCLEES.
1st Honorable Mention.	ANNA J. H. BURKY.
2d " " .	C. MARGUERITE ROBINSON.

PAINTING OF THE NUDE FIGURE.

1st Prize, Gold Medal.....	ANTHONY GUARINO.
1st Honorable Mention.	ANNA J. H. BURKY.
2d " " .	CAROLYN F. UHLIG.

FOR THE GREATEST IMPROVEMENT IN DRAWING DURING THE YEAR.

Silver Medal.	RAYMOND B. HEYER.
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The judges of award were J. Carroll Beckwith, Walter Shirlaw and F. S. Church.

GIFTS DURING THE YEAR 1903.

Adelphi College gratefully acknowledges the following gifts:

1. Feb. 19, 1903, Professor F. W. OSBORN gave to the Library a complete set of the *American Psychological Review*, nine volumes, bound.
2. Mrs. E. P. SMITH, of Amherst, Mass., presented pictures of Bryant, Longfellow and Whittier.
3. Miss CHARLOTTE MORRILL gave to the Students' Association a portrait of Mary Lyon.
4. During the summer of 1903 friends who prefer to remain unknown gave to the College an A. B. See electric elevator.
5. The Senior Class of 1903 presented to the College at the Commencement time, June 16th, 1903, the sum of one hundred dollars, to be expended for the benefit of the Library.
6. Mrs. GEORGE M. HOPKINS and Mr. ALBERT A. HOPKINS, of Brooklyn, gave in March, 1903, a second gift of scientific apparatus from the collection of the late Mr. GEORGE M. HOPKINS. The first gift from this collection was acknowledged in the catalog for 1902-3. Among the valuable articles in the second gift are the following: A small telescope, equatorially mounted, having a three-inch object glass; a Wheatstone's bridge, with a Thompson's Galvanometer, and reading scale for electric measurements; some polarizing apparatus for experiments in light, and microscopic preparations for the same purpose, several prisms, lenses, a pair of large tuning forks, a quantity of battery materials, several small electric motors, and a large cabinet which was made especially for containing the apparatus.
7. In November, 1903, a friend presented to the Art School seven casts, as follows:
 1. Head—Thorwaldsen's Mercury.
 2. Head—Zeus-Phidias.
 3. Head—Ariadne (from the Capitol Museum).
 4. Mask—La Jeune Femme.
 5. Mask—Ajax.
 6. Hand of Hercules.
 7. Mask of Athlete, showing upper part of body, with arm clenched, modern.
8. Dec. 25, 1903, Miss CHARLOTTE K. KOOS, of the Senior Class, presented a copy of the Bible to the College for the use of the Y. W. C. A.

REGISTER OF STUDENTS IN ADELPHI COLLEGE.

1903 - 1904.

THE COLLEGE.

GRADUATE STUDENTS.

EDSON, EMMA M. (B.A., Allegheny, '01).

HANKS, LENDA T., B.A. (Barnard, '01), M.A. (Columbia, '02).

HEUERMANN, HELENA F. (B.A., Adelphi, '02).

SEAMAN, MARY E. (B.A., Swarthmore, '99).—4.

SENIOR CLASS.

Amrath, Adele Babette	Ives, Eloise Stone
Balbin, Emilia Alicia	Jewell, Edith
Boole, Emily Robbins	Kelley, Josephine
Briggs, Mae	Koos, Charlotte Kathryn
Brown, Gwendolen	Lichtenstein, Ida May
Carson, Esther Elizabeth	von Nostitz, Emilie Casperine
Casamajor, Martha	Pfeiffer, Jenny Irene
Case, Anna	Plump, Julia Howell
Dean, Clara Bartlett	Pritchard, Anna Mary
Elmore, Mary Elizabeth	Righter, Jessie Harris
de Fremery, Elinor Vernon	Stone, Katherine Weaver
Frith, Marie Stewart	Taber, Marion Heaton
Gauvran, Ethel Harned	Tuthill, Dorothy Elliott
Graf, Bertha Flora	Wheeler, Hattie
Hawkins, Florence Littlejohn	Whitney, Marion Simpson—30.

JUNIOR CLASS.

Artmann, Florentine Emilie	Forshew, Frances
Barclay, Margaret Ethel	Frazier, Marion
Benson, Ruth	Fulda, Louise Marie
Briggs, Ida	Goodwin, Emily N.
Brown, Elizabeth Miller	Hall, Ethel Reid
Burn, Alice Maria	Hall, May Manchester
Butler, Elizabeth	Hathaway, Pauline Parker
Chapman, Emily Gertrude	Hedge, Louise June
Clark, Leila C.	Henry, Ida M.
Clemency, Anna Elizabeth	Hochart, Marie Therese
Coddington, Jessie Theodosia	Holden, Gertrude Elizabeth
Coffin, Mary Elizabeth	Holler, Madeline R.
Davenport, Florence Cornelia	Howell, Alfred V. B.
Diffenderfer, Katharine Alarçon	Jackson, Helen Maria
Dunn, Joseph Gale	Kerby, Harriet Adelia

Keyes, Angela Mary
 Kneeland, Jessie
 Livermore, Mary Hoyland
 Mackintosh, Margaret Creighton
 Miller, Lydia
 Mudge, Clara Desbrow
 Nearing, Alice
 O'Brien, Helen Madge
 Pashley, Mrs. Isabel Peckham
 Perozo, Marie Dolores
 Perkins, Alice
 Phillips, Anna Laurretta
 Platt, Emilie Louise
 Quick, Anna Gertrude
 Quinlan, Frances M.

Ramsey, Grace Stuart
 Ritter, Mrs. Alice Emily Borgfeldt
 Roethgen, Nellie Louise
 Sands, Edith Melville
 Schradieck, Helen Elizabeth
 Starkey, Mary Florence
 Sullivan, Annie T.
 Sullivan, Janet
 Swan, Jeanne Washburn
 Tobin, Katherine Fitzpatrick
 Tomlin, Stella Millicent
 Usher, Matilda
 Van Vranken, Anna Kellum
 Valentine, Mrs. Mary Foster
 Wilding, Agnes Veronica—60.

SOPHOMORE CLASS.

Anderson, Lorentious Olif
 Bähr, Ida M.
 Barr, Jessie
 Brenner, Rose
 Brown, Ida Poole
 Carpenter, Doris
 Casamajor, Robert
 Cashman, Joseph Francis
 Chapman, Bertha
 Commiskey, Grace Ethel
 Duffey, Florence Josephine
 Elder, Maureen Pearl
 Flagler, Mary Kirk
 Forman, Rebecca Frances
 Goldsmith, Beatrice
 Haight, Neva
 Halbert, Anna E.
 Holzmann, Abraham
 Juhring, Edna Mott
 Kelly, Mira Annie
 Kerrigan, Elizabeth Mary
 Kobelt, Martha
 Lima, Enid de Cerqueira
 Matteson, Kate Laura
 McDonald, John Joseph
 McDonald, Milo Francis
 Messerle, Eva Louise

Morse, Lillian Anderson
 Nagle, Regina Alice Holt
 Napier, Frances Ermina
 Nason, Harriette Stoutenburgh
 O'Malley, Terece Ruby
 Onken, Frederick Ludwig
 Parker, Florence Elise
 Peterson, Wilhelmina Margarethe
 Potter, Marianna Simmons
 Pritchard, Harriet Small
 Reardon, Mark S.
 Root, Lula May
 Rose, Emily Winifred
 Schutz, Meta Elizabeth
 Smithwick, Alicia Victoria
 Stevens, Ethel
 Stone, Dora Davenport
 Teschemacher, Helen Anna
 Thorne, Beatrice S.
 Wall, Edith Belle
 Warner, Lillian Aubé
 Welles, Marguerite Fitch
 Wentworth, Clare Louise
 White, Bessie Matilda
 Wilson, Elsie Diossey
 Wood, Ethel Julia
 Wright, Edith Fairbanks—54

ADELPHI COLLEGE.

FRESHMAN CLASS.

Beavers, Genevieve Winifred	Newton, Helen G.
Bishop, Ethel Annie	Olsen, Carrie Harriette
Breid, Matilda A.	Pomeranz, Judith
Broadhurst, Grace Adele	Powers, Florence May
Broadhurst, Ruth L.	Redlefsen, Robert Gordon
Brush, Madeleine	Relph, Marion Florence
Call, Lillian Myra	Roth, Helen Elizabeth
Cantor, Blanche Gertrude	Rowlands, Mary Jane
Caras, Florentina	Sayler, Gertrude Isabel
Coffin, Ivan Robert	Schwab, Sophie
Davis, Jane Hendrickson	Seligmann, Florence Irene
Delaney, Laurretta Irene	Shiff, Eva Madeline
Delano, Grace	Shiff, Lilian Oliver
Eldredge, Florence Virginia	Stanton, Bessie
Geiss, H. M. Matilda	Steger, Ethel Montgomery
Goddard, Ruth E.	Stevens, Elaine
Grant, Theresa	Stokes, Jessie L.
Hilmer, Doretta	Swezey, Mabel Kathleen
Isenburger, Selma	Turner, Eva G.
Kelly, Elizabeth L.	Ulrich, Charlotte Arlington
Kennedy, Mabel	Vaughan, Harry Joseph
Kent, Mary Emma	Wakefield, Edna Jessie
Levy, May	Walsh, Loretto Margaret
Lopez, Blanche Eliska	Weiss, Lillian Josephine
Mapelsden, Madolin Mary	Welles, Julia Theodora
McCann, Virginia Adelaide	Whitlock, Lilian I.
Messerle, Amelia Strack	Williams, Ida May.
Mills, Grace Elizabeth	Williamson, Marguerite Molière
Natelson, Rachel	Wilson, Ethel M.—58.

SPECIAL STUDENTS.

Abbott, George J.	Burke, Margaret A.
Abbott, Helen Louise	Burnett, Josephine M.
Ahearn, Josephine	Callaghan, Eugenie
Ashmun, Jennie Cordelia	Carr, Margaret A.
Barnes, Matilda Josephine	Conselyea, Mrs. Annie B.
Bogert, Frances G.	Corcilus, Josephine
Braker, Henriette	Detlefsen, Julia C.
Brice, Margaret J.	Dillhoff, Amy C.
Buchanan, Annie Laurie	Dornet, Alice

Duurloo, Wilhelmine Henrietta
 Frost, Clara L.
 Hagen, Bertha A.
 Halbert, Matilda Clara
 Hawthorn, Carrie Augusta
 Hoage, Norma
 Holmes, Carrie Geneva
 Holmes, Margaret Cook
 Hornstein, Ignus Osborne
 Iffla, Florence Edith
 Jones, Edwin
 Jones, Jeannette G.
 Kelton, Mary Elizabeth
 Keyes, Katherine Mary Agnes
 Loud, Helen Susan
 Matteson, May
 McLaughlin, Mary Eleanor
 Mettee, Mrs. Anna May
 O'Brien, Mary Ellen
 Ogden, Mrs. Meda Terry
 Orr, Mary Louise

Palmland, Rebecca
 Peppard, Marguerite O.
 Powers, Lillian Irene
 Quinby, Edith
 Randall, Marion Converse
 Rowland, Arthur Baker
 Russell, William E.
 Ryan, Josephine
 Sahm, Marie A.
 Schwab, Matilda
 Secor, Catherine M.
 Starkey, Warren L.
 Stone, Mary Matilda
 Stoutenburgh, Blanche
 Terry, Rebecca
 Walker, Emma
 Warner, Emma
 Waterman, Maud Lacey
 Wendel, Carrie Elizabeth
 Winter, John Joseph—59.

NORMAL SCHOOL FOR KINDERGARTNERS.

SECOND YEAR CLASS.

Carey, Mary Louise
 Carpenter, Alice
 Cassidy, Bonnie Clarke
 Conklin, Harriet Ellen
 Crandall, Virginia Augusta
 Cuddy, Edna Birdsall
 Despard, Adèle Louise
 Diller, Helen Elizabeth
 Downs, Bessie Eretson
 Dunn, Mary Myretta
 Eldredge, Arvilla Rogers
 Entwistle, Margaret
 Fisher, Anita Ludden
 Fowler, Jennie Frances
 Gardner, Helen Woodard

Granbery, Mabel Eunice
 Leary, Gertrude Marie
 Lockwood, Florence White
 McNiel, Nell Francis
 Miller, Daisy
 Murnane, Florence Julietta
 Page, Augusta Louise
 Rhoads, Adeline Isabelle
 Rice, Eliza Fitch
 Seidenberg, Florence Gwendolyn
 Stephenson, Fannie Ethel
 Storm, Alida Vance
 Thorne, May Theresa
 Wolferz, Meta Augusta—29.

FIRST YEAR CLASS.

Carlin, Katherine Agnes
 Chadeayne, Mary Ella
 Clark, Henrietta Elizabeth
 Delapierre, Blanche E.
 Denham, Mabelle Douglas
 Dewes, Carrie Belle
 Dewes, Sophie Grace
 Espenscheid, Clare Louise
 Faulkner, Belle Revington
 Fowkes, Elsa Adelaide
 Gardiner, Mabel Ethel
 Goldberg, Edith H.
 Graff, Ruth Miriam.
 Hays, Isabel Jordan
 Hayes, Margaret V.
 Hewlett, Florence Carman
 Howe, Jane Milne
 Hyer, Edith Adele
 Jayne, Edna Russell
 Jenkins, Joanna Ditmas
 Keller, Catharine Loretta
 Leverich, Sarah Elizabeth

MacInnes, Mildred Estella
 McCann, Carrie Mabel
 McCleary, Margaret
 McKillop, Margaret
 McLaughlin, Pauline R.
 McManus, Virginia Edna
 Meehan, Mary A.
 O'Day, Elizabeth S.
 Pearse, May
 Pearson, Nellie Regina
 Peddle, Clara Smith
 Phillips, Myrtie A.
 Reynolds, Florence Emily
 Ryan, Martha J.
 Sinsabaugh, Marion Lloyd
 Smith, Ethel Elizabeth
 Sullivan, Anna Madeline
 Sullivan, Gertrude
 Vaughan, Frances Madelon
 Weir, Adelaide M.
 White, Anna Worthley
 Wilcock, Lavina May—44

THE SCHOOL OF FINE ARTS.

NORMAL COURSE.

Brown, Ethel L.

Latham, May A.—2.

DAY CLASSES.

Ablitzer, Albert
 Alcott, Mabelle
 Arneberg, Roberta
 Bainbridge, Edna C.
 Bishop, Elsie E.
 Foehm, Alice
 Boughton, Beryl
 Braxton, Ernest W.
 Brown, Olive L.

Bruning, Elsie E.
 Burke, Julia Agnes
 Burnes, Willard C.
 Carpenter, Mary C.
 Carroll, Mrs. Vena
 Coleman, Philip H.
 Comstock, Elizabeth A.
 Covert, Cornelia Elizabeth
 de Mena, Arline L.

Duckers, Gertrude W.
 Duncan, John Rough
 Evans, Mrs. J. M.
 Flannagan, Lucy
 Fleming, Mary L.
 Gerhart, Marion Isabel
 Gesswein, Elliott
 Hettrick, Mrs. John
 Hodgson, Mrs. A. C.
 Judy, Gertrude R.
 Kelly, Geraldine V.
 Knowles, Ethel H.
 Koehler, Mabel Margrette
 Kolesch, Vyva M.
 Kramer, Lora O.
 la Cour, Mrs. Jensine
 Lapis, John
 Leitner, Mrs. Annie H.
 Lichtenstein, Ada
 Lichtenstein, Georgianna
 Lifschitz, David
 Maddern, James Welsh
 Mangam, Jessie Edith
 McAfee, Helen R.
 McClees, Douglas
 McDermott, Marjorie
 Morrison, Lenore Elizabeth
 Murr, Addie Burgess
 Nash, Beatrice Oliver
 Nevins, William Varick, Jr.

Newitt, Mary L. C.
 Peterson, Metta H. M.
 Pfarre, Gertrude P.
 Prout, Alice Boole
 Ralph, Edith
 Ray, Edith
 Reith, Madeline William
 Robinson, C. Marguerite
 Roeck, Robert J. E.
 Rosenson, Olga Lena
 Rubel, Percival John
 Schmickl, Ida A.
 Schultz, Emanuel
 Sencion, Marie A.
 Shoudy, Theodore
 Smith, Mrs. C. Coleman
 Smith, Grace Elizabeth
 Stillson, Mabelle Coe
 Story, Wanda
 Suydam, Elizabeth
 Terrel, Bessie Emily
 Titus, Emma Augusta
 Titus, Herman Aldrich
 Turner, Venie E.
 Tyson, Jessie
 Uhlig, Marie E.
 Underhill, Ada B. F.
 von Holleuffer, Helen
 Wilson, Emily Augusta—77

EVENING CLASSES.

Aldridge, Chester
 Anderson, Edward
 Andrews, Ferdinand S.
 Bailey, Fred. M.
 Barritt, Earle E.
 Bartholomew, Charles
 Bennett, Arthur G.
 Berg, Frederic
 Bonner, Catherine M.

Brush, Emma W.
 Burke, Edward J.
 Carroll, Mrs. Vena
 Chandler, Jennie
 Cockley, Isabelle H.
 Codman, Margaret
 Commerford, J. Rowe
 De Villes, Joseph C.
 Douglass, William A.

Downs, Eunice M.	Merlin, Kenneth
Durant, Charles W.	Monahan, May G.
Dwelle, Vernon	Morse, Anna G.
Eaton, Mrs. Hugh M.	Moss, Robert J.
Endlich, Charles	Murr, Addie Burgess
Erbe, Arthur	Niedhardt, Lucie E.
Evans, Mrs. C. A.	Newman, Harry A.
Farley, Maude A.	Peterson, Helen Etta
Fitzmaurice, Mrs. Charles	Peterson, Otto
Flude, Carl H.	Rae, William E.
Foster, John E.	Rafford, Emma A.
Frank, Richard G.	Renouard, George
Fries, John F.	Rice, Helen
Gazan, Charles A.	Sargent, Walter M.
Giles, Edith	Schmickl, Ida A.
Goeben, Ferdinand	Schmidt, Rudolph C.
Graeve, Otto T.	Schnell, Emil
Green, George	Schoenbackler, Emil
Guarino, Anthony	Schradieck, Alice
Hack, Jacob	Schramm, Paul H.
Heath, Edda M.	Sharkey, Elbert
Henken, Henry	Shoudy, Theodore
Hernberg, William D.	Smith, Henry S.
Hettrick, Mrs. John	Smith, Rudolph
Hinner, Henry A.	Spencer, Mary
Holland, David	Speth, John
Holland, Fanny H.	Thiel, Martin
Hundly, William E.	Thran, Maurice
Jenkins, Frank	Tieckner, Amy D.
Jensen, Katherine	Titus, Marion
la Cour, Mrs. Jinsine	Van Everen, Jay
Lapis, John	Van Salzen, Charles
Lester, Charles	Wallach, André R.
Lightner, Mrs. Lee	Ward, Norman A.
Macoy, May D.	Warner, Nadine
Maddern, James Welsh	Washburn, James H.
Maturs, Joseph	Watson, Mari: L.
Maupai, Henry	Whelan, Sylvester J.
McClees, Mrs. Douglas	Whitmore, Olive B.
McCormick, Mary A.	Williams, Arthur A.
McLees, William H.	Wykes, Adaline G.—101.
McLees, Mrs. William H.	

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Adelphi College

DEPARTMENTS AND SCHOOLS:

1. *LANGUAGE COURSE*, Degree, B.A.
2. *LITERARY COURSE*, - Degree, B.A.
3. *SCIENTIFIC COURSE*, Degree, B.S.
4. *NORMAL SCHOOL*

For Kindergartners and Art Teachers

5. *ART SCHOOL*
-

For full information concerning these five departments
consult this catalog

6. *ADELPHI ACADEMY*

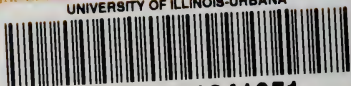
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